

Customer Code : **16005107**
 Customer Name : **S027**
 Address :

Unit ID Number : **Compressor Air After Filter**

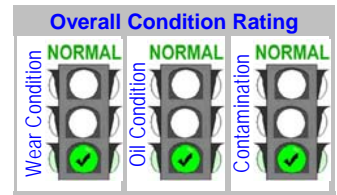
Unit Type : Compressor Screw
 Unit Make : (not given)
 Unit Model : (not given)

Oil type / Viscosity : SHELL AW 46

Site Name :
 Location :

Test code : 838

Lube System Capacity :



Recommendations and Notes

All wear conditions and wear tests appear in normal working range.
 All oil conditions and oil tests appear in normal working range.
 All contaminant conditions and contaminant levels appear in normal ranges.

WC / Andy Sitton

			Current Sample			Previous Sample		Alarm Limit Range	
Condition History			Wear	Oil	Cont.				
FocusLab ID			N	N	N				
Date sampled	Test Method	Result	73197						
Hours on Oil			03-Apr-07						
Hours on Unit			8000						
Bottle ID			10 years						
			380966						
Wear Condition									
Wear Element	Method	Unit	RDE fine	RFS coarse	New Oil	U-Caution	U-Action	U-Caution	U-Action
Iron	D-6595	PPM	2.9			>15	>25	>15	>25
Chromium	D-6595	PPM	0.0			>1	>2	>1	>3
Lead	D-6595	PPM	0.0			>3	>5	>4	>7
Copper	D-6595	PPM	1.0			>8	>15	>4	>7
Tin	D-6595	PPM	0.0			>4	>7	>5	>10
Aluminum	D-6595	PPM	0.1			>1	>2	>6	>12
Nickel	D-6595	PPM	0.4			>1	>2	>1	>2
Silver	D-6595	PPM	0.0						
Molybdenum	D-6595	PPM	0.3						
Titanium	D-6595	PPM	0.3						
Oil Condition					New Oil	L-Action	L-Caution	U-Caution	U-Action
Viscosity @40°C	D-445	cSt	47.6		46.0	<41.4	<43.7	>48.3	>50.6
Viscosity @100°C	D-445	cSt							
Oxidation	FTIR	Abs	7.1						
Nitration	FTIR	Abs	4.1						
TAN	D-974	mg KOH/g.	0.24					>0.84	>1.37
TBN	D-4739	mg KOH/g.							
Contamination					New Oil			U-Caution	U-Action
Water	T-H2O Check™	% (Wt.)	0.019					>0.089	>0.146
Sodium	D-6595	PPM	1						
Silicon	D-6595	PPM	7.6						
Additive Element					New Oil				
Boron	D-6595	PPM	0						
Magnesium	D-6595	PPM	1						
Calcium	D-6595	PPM	7						
Barium	D-6595	PPM	0						
Phosphorus	D-6595	PPM	953						
Zinc	D-6595	PPM	19						
Additional Test					New Oil	L-Action	L-Caution	U-Caution	U-Action
Flash Point	D-3828	°C							
Viscosity Index	D-2270								
Other									

Note: Alarm Limits are variable and dependent upon dataset size and to be used as general guideline.
 No Sign or N : NORMAL , C or ▲ : CAUTION (first level warning limit) , A or ▲ : ACTION required (second level warning limit)
U-Caution : Upper CAUTION Level L-Caution : Lower CAUTION Level First level warning limit in Upper level and/or Lower level
U-Action : Upper ACTION required Level L-Action : Lower ACTION required Level Second level warning limit in Upper level and/or Lower level
 Accuracy of interpretation and recommendation are based on representatives sample and information supplied No warranty is expressed or implied for this report.

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 Location :

Test code : 838

Lube System Capacity :

Overall Condition Rating

Wear Condition	Oil Condition	Contamination
NORMAL	NORMAL	NORMAL

Current Sample			Previous Sample			Alarm Limit Range				
FocusLab ID	73197					Limit Name (Equipment / Oil) : Comp Screw General ISO 46				
Date sampled	03-Apr-07									
Hours on Oil	8000									
Hours on Unit	10 years									
Bottle ID	380966									
Particle Count NAS 1638: Number of Particles Per 100 Milliliter (Counts/100ml)						New Oil	U-Caution		U-Action	
Size Range	No. of Particles	Class				Class	No. of Particles	Class	No. of Particles	Class
5-15 microns	74,100	9				<10	<11	<12		
15-25 microns	6,700	8								
25-50 microns	1,900	8								
50-100 microns	200	8								
>100 microns	<100	6								
Particle Count ISO 4406:1999: Number of Particles Per Milliliter (Counts/ml)										
Size Range	No. of Particles	Class								
>4 microns	2,222	18								
>6 microns	622	16								
>14 microns	87	14								
ISO 4406 Result	18/16/14									

Recommendations and Notes

Particle count shows oil cleanliness level acceptable.

Option Test: Varnish Potential Index™ (VPI™), Testing for Predicting Varnish and Varnish build up

VPI™ Value Condition					VPI™ Severity Limit Range Guideline			
					New Oil	U-Caution		U-Action
								

Option Test: RUL (Remain Useful Life), Testing for monitoring Percent Remaining Anti-Oxidant (AO) by ASTM D-6971

% Remaining Antioxidant Additive					New Oil	U-Caution		U-Action
					100	<50		<25

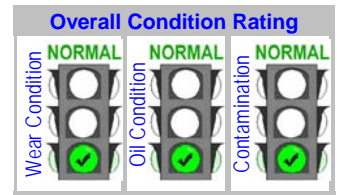
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FocusLab ID : 73197 Date sampled : 03-Apr-07 Hours on Oil : 8000 Hours on Unit : 10 years Bottle ID : 380966

ส่วนที่ 1 : หน้าหลัก

[Section 1 : Main Page](#)

สภาพการสึกหรอและผลทดสอบการสึกหรอทั้งหมด พบว่าอยู่ในช่วงปกติ
 คุณสมบัติของน้ำมันและผลทดสอบน้ำมันทั้งหมด พบว่าอยู่ในช่วงปกติ
 สภาพการปนเปื้อนและระดับการปนเปื้อนสิ่งสกปรก พบว่าอยู่ในช่วงปกติ

ส่วนที่ 2 : หน้าที่สอง

[Section 2 : Second Page](#)

ค่าการตรวจนับจำนวนอนุภาค (Particle Count) บอกว่าระดับความสะอาดของน้ำมัน อยู่ในช่วงปกติ-ยอมรับได้

ส่วนที่ 3 : หน้าของ Analytical Ferrography

[Section 3 : Analytical Ferrography Page](#)

ส่วนที่ 4 : หน้าของ Gravimetric Page

[Section 4 : Gravimetric Page](#)