

OIL ANALYSIS REPORT

San





GEA C-163

Component

Screw Compressor

TULCO LUBSOIL SYN RL WI 100 (300 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Cample Number Client Info T090003223							
Cample Number Client Info TO90003223	1				Feb 2024		
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		TO90003223		
Dil Changed	Sample Date		Client Info		13 Feb 2024		
Client Info	Machine Age	hrs	Client Info		0		
Client Info	Oil Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2 foron ppm ASTM D5185m >60 2	Oil Changed		Client Info		N/A		
Chromium ppm ASTM D5185m >60 2					ATTENTION		
ASTM D5185m S4	WEAR METALS		method	limit/base	current	history1	history2
Sickel ppm ASTM D5185m 0	ron	ppm	ASTM D5185m	>60	2		
Description	Chromium	ppm	ASTM D5185m	>4	<1		
Silver ppm	lickel	ppm	ASTM D5185m		0		
ASTM D5185m D	itanium		ASTM D5185m		0		
Augustion Augu					0		
A	-			>5			
ASTM D5185m STM D5185m STM D5185m STM D5185m Delay ASTM D5185m Delay Delay ASTM D5185m Delay Del					-		
In					-		
Astronometric Astronometr							
ACADITIVES				>1J			
ADDITIVES							
Ast Ast		ррпп		112-7			
Sarium				limit/base		nistory i	nistoryz
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 32 Clinc ppm ASTM D5185m 1500 376 Clinc ppm ASTM D5185m 12 Sulfur ppm ASTM D5185m 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 4 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 4 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >0 0 Vat							
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Sulfur ppm ASTM D5185m 12	Calcium	ppm	ASTM D5185m		32		
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CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 4 Bodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0 Vater % ASTM D6304 >2.26 0.011 Spm Water ppm ASTM D6304 >22600 113 Spm Water ppm ASTM D6304 >22600 113 Particles >4µm ASTM D7647 >10000 10737 Particles >6µm ASTM D7647 >2500 2785 Particles >21µm ASTM D7647 >80 15 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0	Zinc	ppm	ASTM D5185m		12		
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Particles >6μm ASTM D7647 >2500 2785 Particles >14μm ASTM D7647 >320 105 Particles >21μm ASTM D7647 >80 15 Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4	FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
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Particles >21μm ASTM D7647 >80 15 Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4 0 Dil Cleanliness ISO 4406 (c) >20/18/15 21/19/14 FLUID DEGRADATION method limit/base current history1 history2	•		ASTM D7647	>2500	2785		
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Particles >71μm ASTM D7647 >4 0 Dil Cleanliness ISO 4406 (c) >20/18/15 21/19/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	15		
Dil Cleanliness ISO 4406 (c) >20/18/15 21/19/14 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20	0		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0		
	Dil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/19/14		
Acid Number (AN) mg KOH/g ASTM D8045 0.04 0.045	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.04	0.045		



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