

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SC1 - PILGRAMS WEST PLANT REFRIGERATION (S/N 3269DR)

Component Screw Compressor

TULCO LUBSOIL A68 (--- GAL)

Recommendation

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

All component wear rates are normal.

Contamination

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

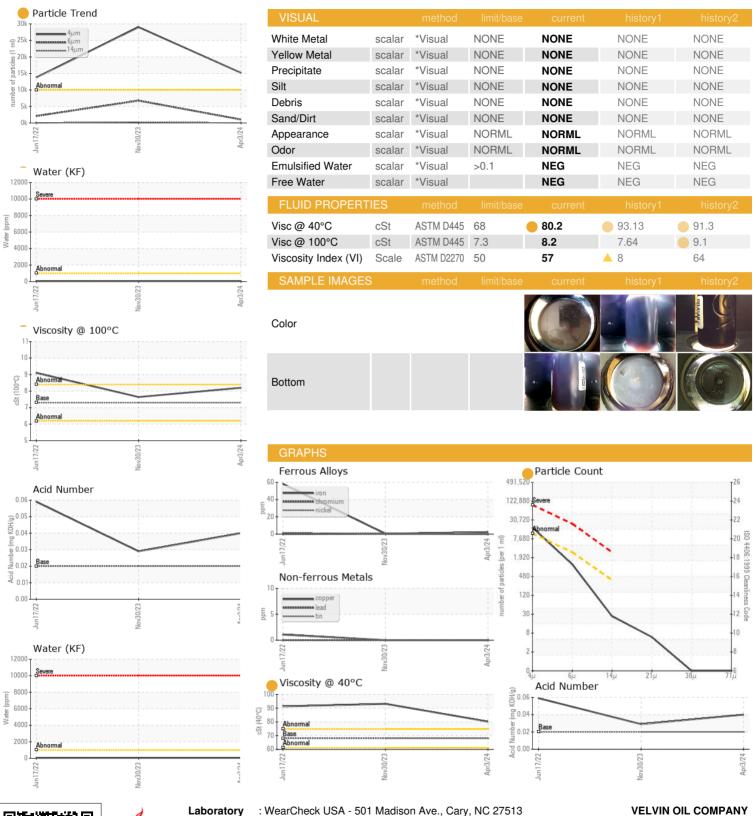
Fluid Condition

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

		Ju	2022	Nov2023 Apr2024		
0.11.151.5.11.5051						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002256	TO10002274	TO10001092
Sample Date		Client Info		03 Apr 2024	30 Nov 2023	17 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	2	<1	58
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m		0	0	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>5	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>30	0	0	1
Tin	ppm	ASTM D5185m	>15	0	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	9
Phosphorus	ppm	ASTM D5185m		0	392	21
Zinc	ppm	ASTM D5185m		0	0	14
Sulfur	ppm	ASTM D5185m	250	0	259	382
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	<1	<1
Sodium	ppm	ASTM D5185m		1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.1	0.005	0.005	0.005
ppm Water	ppm	ASTM D6304	>1000	55	55	52.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	15180	<u>\$\text{29018}\$</u>	13754
Particles >6µm		ASTM D7647	>2500	1029	△ 6769	2083
Particles >14µm		ASTM D7647	>320	23	232	36
Particles >21µm		ASTM D7647	>80	5	47	5
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>21/17/12</u>	<u>^</u> 22/20/15	21/18/12
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.02	0.04	0.029	0.059
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OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number

: 06143133 Unique Number : 10967941

: TO10002256

Received : 09 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed : 11 Apr 2024 - Angela Borella

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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