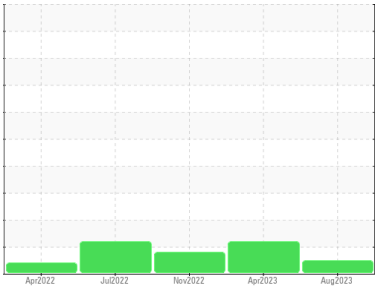
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
COMPRESSOR STATIONS/RED HILLS EAST AREA
Machine Id
ANACONDA (S/N 5329X7088)
Component
Compressor
Fluid
TULCO LUBSOIL LPG WS 150 (--- 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
The amount and size of particulates present in the system are acceptable.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO60001215**	TO60000807	TO70000182
Sample Date		Client Info		**10 Aug 2023**	13 Apr 2023	16 Nov 2022
Machine Age	hrs	Client Info		**18001**	16401	11966
Oil Age	hrs	Client Info		**1600**	4433	5962
Oil Changed		Client Info		**Not Changd**	Not Changd	Oil Added
Sample Status				**NORMAL**	ABNORMAL	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**1**	2	2
Chromium	ppm	ASTM D5185m	>10	**0**	<1	<1
Nickel	ppm	ASTM D5185m		**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**<1**	0	<1
Lead	ppm	ASTM D5185m	>25	**0**	0	1
Copper	ppm	ASTM D5185m	>50	**<1**	0	<1
Tin	ppm	ASTM D5185m	>15	**<1**	<1	2
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	<1	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	0	<1
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**0**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	0	0
Magnesium	ppm	ASTM D5185m	0	**2**	<1	3
Calcium	ppm	ASTM D5185m	0	**0**	<1	0
Phosphorus	ppm	ASTM D5185m	0	**5**	6	29
Zinc	ppm	ASTM D5185m	0	**0**	0	<1
Sulfur	ppm	ASTM D5185m	0	**136**	137	0

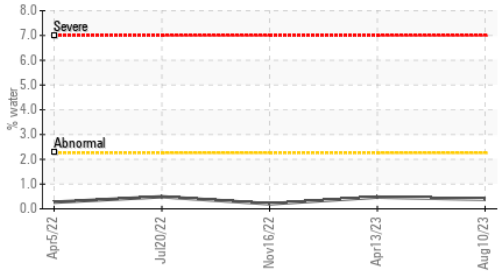
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	1	4
Sodium	ppm	ASTM D5185m		**<1**	4	0
Potassium	ppm	ASTM D5185m	>20	**2**	<1	4
Water	%	ASTM D6304	>2.26	**0.382**	0.473	0.201
ppm Water	ppm	ASTM D6304	>22600	**3824.8**	4730	2019.1

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	**7206**	▲ 40339	7360
Particles >6µm		ASTM D7647	>1300	**649**	▲ 8600	▲ 1724
Particles >14µm		ASTM D7647	>320	**34**	170	117
Particles >21µm		ASTM D7647	>80	**7**	22	16
Particles >38µm		ASTM D7647	>20	**1**	0	1
Particles >71µm		ASTM D7647	>4	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	**20/17/12**	▲ 23/20/15	▲ 20/18/14

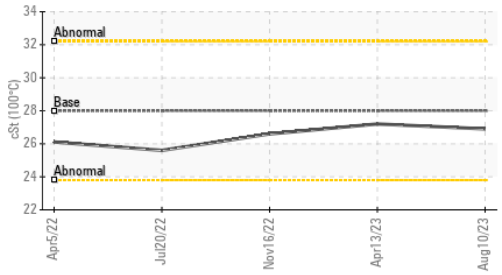
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.20**	0.18	0.24

OIL ANALYSIS REPORT

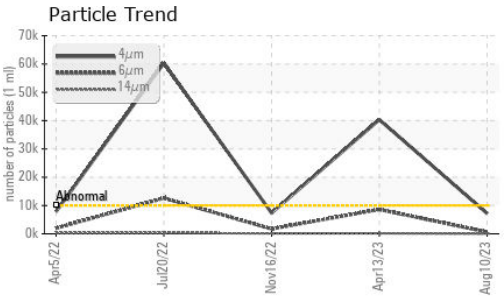
Water



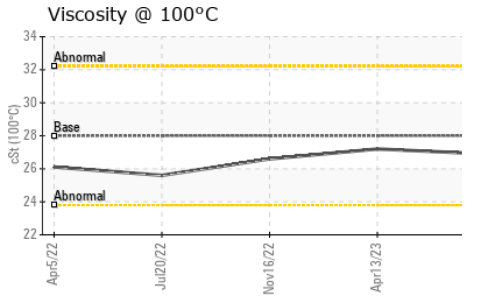
Viscosity @ 100°C



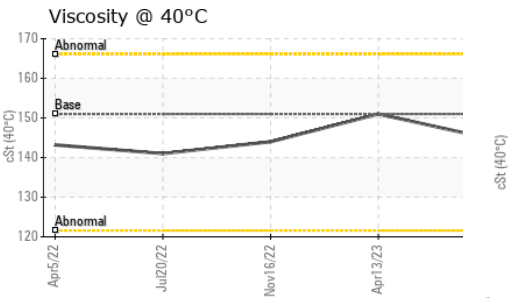
Particle Trend



Viscosity @ 100°C

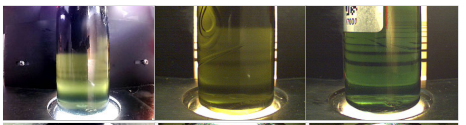
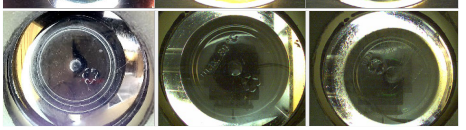


Viscosity @ 40°C



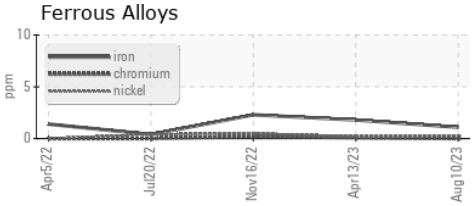
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	VLITE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	**145**	151	144
Visc @ 100°C	cSt	ASTM D445	28	**26.9**	27.2	26.6
Viscosity Index (VI)	Scale	ASTM D2270	224	**223**	218	222

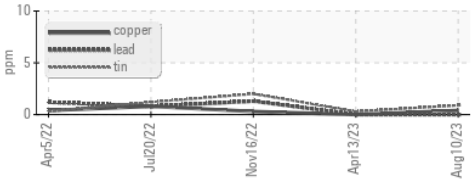
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

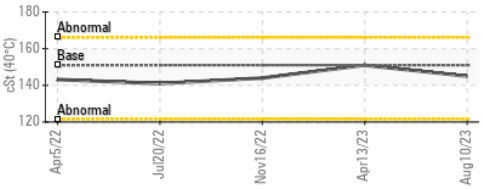
Ferrous Alloys



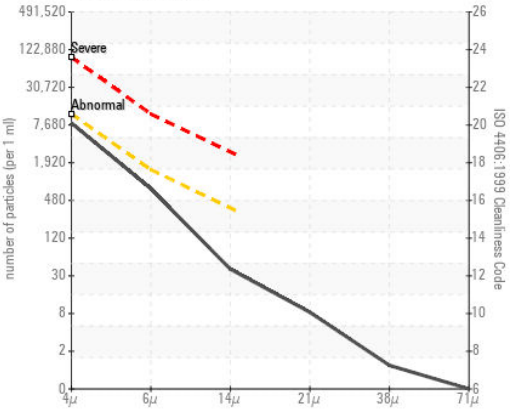
Non-ferrous Metals



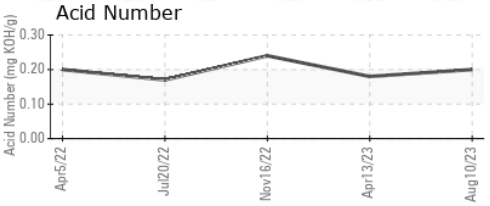
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60001215 **Received** : 28 Aug 2023
Lab Number : 05936648 **Diagnosed** : 29 Aug 2023
Unique Number : 10621919 **Diagnostician** : 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.
** - 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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Report Id: EOGMID [WUSCAR] 05936648 (Generated: 08/29/2023 13:40:46) Rev: 1

Submitted By: JESSE RODRIGUEZ