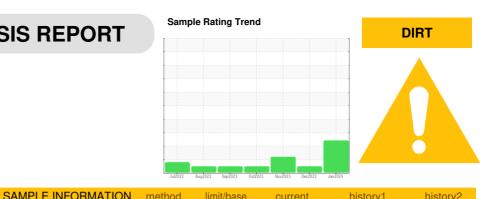


## **OIL ANALYSIS REPORT**



Machine Id MRC-319

#### Component Compressor Elui 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

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

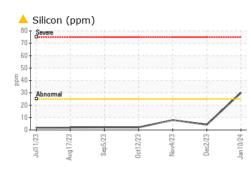
#### Fluid Condition

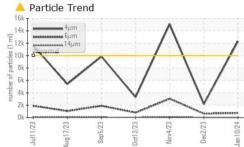
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

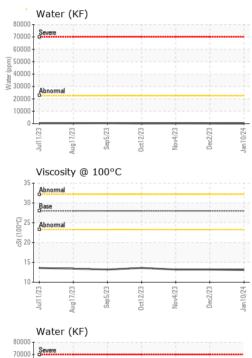
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001966	TO60001927	TO60001733
Sample Date		Client Info		10 Jan 2024	02 Dec 2023	04 Nov 2023
Machine Age	hrs	Client Info		4117	3602	3259
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	0	1
Chromium	ppm	ASTM D5185m		2 <1	0	<1
Nickel	ppm	ASTM D5185m	210	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	<1
Lead	ppm	ASTM D5185m	>25	- <1	0	0
Copper	ppm			<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m	210	0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	ppm	method	limit/base	-		
				current	history1	history2
Boron	ppm	ASTM D5185m	0	104	105	97
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	<1
Manganese	ppm	ASTM D5185m	0	0	<1	<1 8
Magnesium	ppm	ASTM D5185m	0	10 1199	9 1227	8 1280
Calcium	ppm	ASTM D5185m			270	
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	0	317 280	300	318 336
Sulfur	ppm	ASTM D5185m	0	2796	2571	2696
	ppm		-			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<mark>/</mark> 30	4	8
Sodium	ppm	ASTM D5185m		4	2	4
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water	%	ASTM D6304	>2.26	0.004	0.009	0.017
ppm Water	ppm	ASTM D6304	>22600	48	100	174.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>12324</b>	2154	▲ 15090
Particles >6µm		ASTM D7647	>1300	734	633	▲ 3045
Particles >14µm		ASTM D7647	>320	18	24	106
Particles >21µm		ASTM D7647		5	4	11
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>21/17/11</b>	18/16/12	21/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36	1.40	0.68
( )	0 - 0					

TULCO WEATERK

# **OIL ANALYSIS REPORT**







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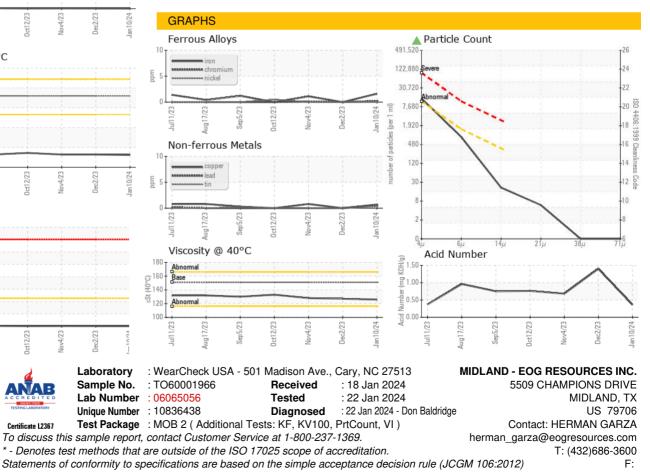
an5/73

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	NONE	NONE
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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	126	127	128
Visc @ 100°C	cSt	ASTM D445	28	13.1	13.2	13.2
Viscosity Index (VI)	Scale	ASTM D2270	224	97	97	96
SAMPLE IMAGES		method	limit/base	current	history1	history2





Color



Contact/Location: HERMAN GARZA - EOGMID