

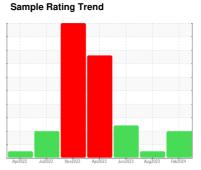
OIL ANALYSIS REPORT

COMPRESSOR STATIONS/RED HILLS WEST AREA **VIPER (S/N ASB180227)**

Component

Compressor

TULCO LUBSOIL LPG WS 150 (--- GAL)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

		Apr2022	JUIZUZZ INUVZUZZ	Apr2023 Jun2023 Aug2023	Feb2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002027	TO60001269	TO60000793
Sample Date		Client Info		07 Feb 2024	11 Aug 2023	08 Jun 2023
Machine Age	hrs	Client Info		2257	13030	11493
Oil Age	hrs	Client Info		0	0	432
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	0	0	0
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	0	0
Barium	ppm	ASTM D5185m	0	8	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	2
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	24	271	249
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	85	96
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m	. = 0	1	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304		1.27	0.015	0.012
ppm Water	ppm	ASTM D6304	>22600	12700	154.0	129.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	△ 18086	1097	7032
Particles >6µm		ASTM D7647	>1300	6295	151	1389
Particles >14µm		ASTM D7647	>320	474	4	32
Particles >21µm		ASTM D7647		<u>^</u> 93	0	6
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<u>△</u> 21/20/16	17/14/9	20/18/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.069	0.057	0.071
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