

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 1505 Component

Air Compressor

SAE 30W (10 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. 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.

		Sep2019 Jur	2020 Jan2021 Oct202	21 Jul2022 Jan2023 Jul20	23 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43273	ST41980	ST44271
Sample Date		Client Info		09 Jan 2024	05 Nov 2023	23 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	54	49	56
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>20	3	2	3
Copper	ppm	ASTM D5185m	>40	21	18	19
Tin	ppm	ASTM D5185m	>5	<1	<1	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	0
Barium	ppm	ASTM D5185m		3	0	2
Molybdenum	ppm	ASTM D5185m		0	2	0
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		27	30	27
Phosphorus	ppm	ASTM D5185m		353	311	310
Zinc	ppm	ASTM D5185m		296	308	326
Sulfur	ppm	ASTM D5185m		886	740	858
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	8	9
Sodium	ppm	ASTM D5185m		0	6	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.6	0.003	0.003	0.002
ppm Water	ppm	ASTM D6304	>6000	35	35.1	20.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>40000	15488	21673	<u></u>
Particles >6µm		ASTM D7647	>5000	1744	2478	▲ 17934
Particles >14µm		ASTM D7647	>640	56	74	<u>▲</u> 1025
Particles >21µm		ASTM D7647	>160	10	15	<u>^</u> 236
Particles >38µm		ASTM D7647	>40	0	1	7
Particles >71µm		ASTM D7647	>10	0	1	1
Oil Cleanliness		ISO 4406 (c)	>22/19/16	21/18/13	22/18/13	<u>△</u> 23/21/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.45	0.50	0.46



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