

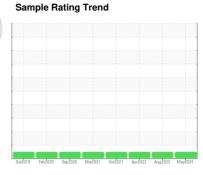
OIL ANALYSIS REPORT



Atlas Copco FHG82DK01 Main Fermentation Air, Compressor

Air Compressor

MOBIL DTE OIL HVY MEDIUM (--- GAL)





Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Was not running)

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.

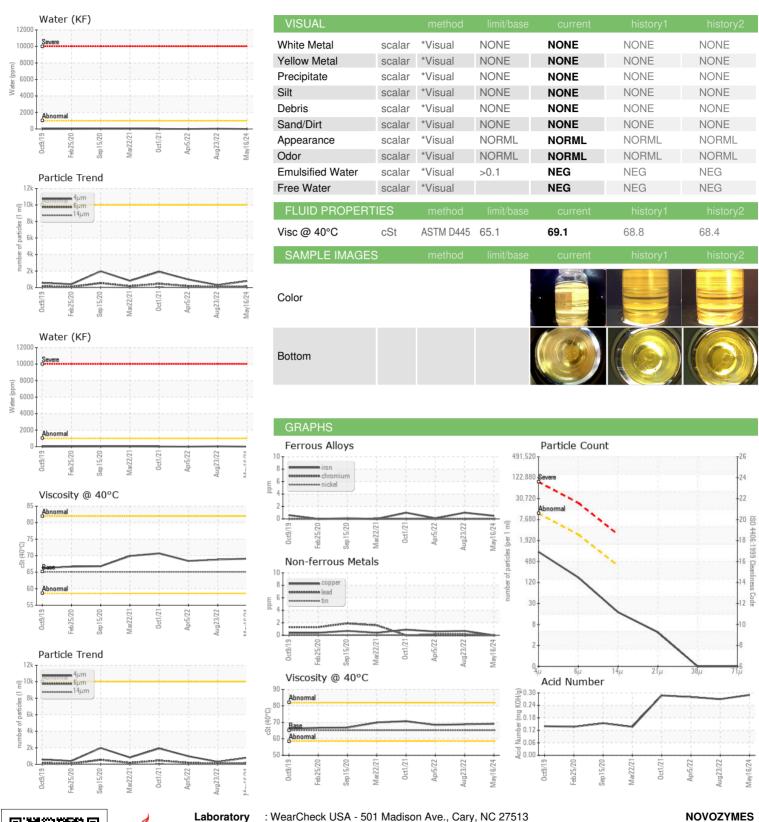
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0916406	WC0726022	WC0679867
Sample Date		Client Info		16 May 2024	23 Aug 2022	05 Apr 2022
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed	,	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>70	<1	1	<1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>80	0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				
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	<1	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		106	112	100
Zinc	ppm	ASTM D5185m		2	1	0
Sulfur	ppm	ASTM D5185m		1838	1642	1425
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>12	4	2	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.00	0.003	0.00
ppm Water	ppm	ASTM D6304	>1000	0	36.5	0.00
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	799	293	980
Particles >6µm		ASTM D7647	>2500	148	74	190
Particles >14µm		ASTM D7647	>320	15	12	18
Particles >21µm		ASTM D7647	>80	4	4	6
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/11	15/13/11	17/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



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Laboratory

Sample No.

Lab Number

: WC0916406 : 06184306 Unique Number : 11035632

Received **Tested**

: 20 May 2024

: 21 May 2024

Diagnosed : 22 May 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, PrtCount)

Certificate 12367 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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