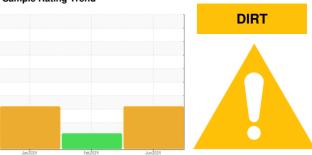


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

INGERSOLL RAND 600K602 HYPERCIRC COMPRESSOR - DYNO NOBEL

3 Bearing

CHEVRON CAPELLA OIL WF 68 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

The iron level is abnormal.

Contamination

Elemental level of silicon (Si) above normal. There is a moderate amount of visible silt present in the sample.

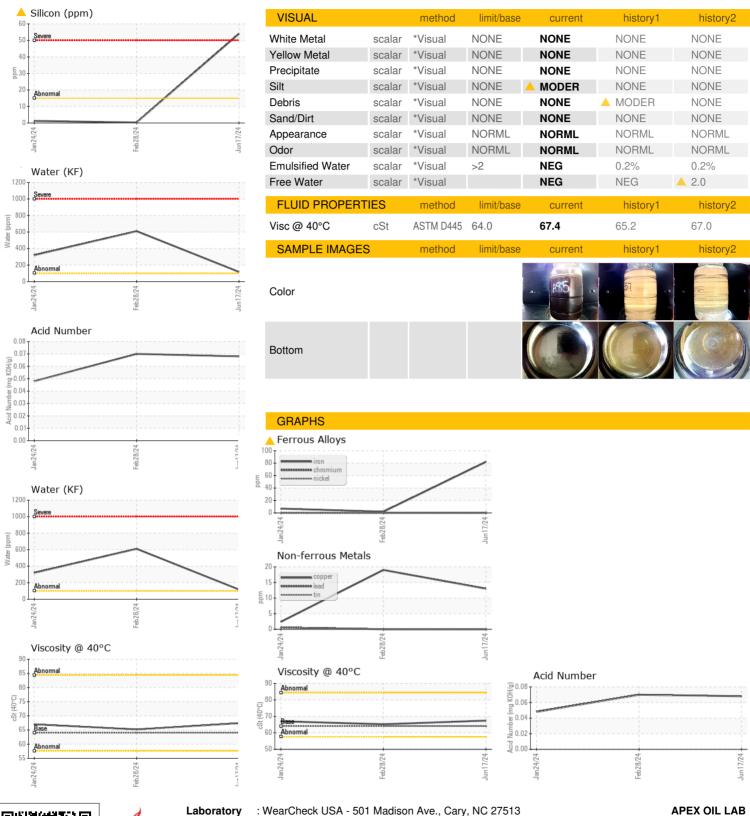
Fluid Condition

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

	Jan ² 024 Feb ² 024 Jun ² 024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		AOL06218312	AOL06107364	AOL06098361
Sample Date		Client Info		17 Jun 2024	28 Feb 2024	24 Jan 2024
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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<u> </u>	2	7
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	13	<u> </u>	2
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES	la la	method	limit/base	current	history1	history2
			IIIIIIVDase			
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	5
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m		1	<1	0
Phosphorus	ppm	ASTM D5185m		1	<1	0
Zinc	ppm	ASTM D5185m		8	0	3
Sulfur	ppm	ASTM D5185m		152	173	68
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u>^</u> 54	<1	1
Sodium	ppm	ASTM D5185m		17	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>2	0.011	0.061	0.032
ppm Water	ppm	ASTM D6304		117	610	320
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000			▲ 50136
Particles >6μm		ASTM D7647	>2500			△ 9273
Particles >14μm		ASTM D7647	>160			<u> </u>
Particles >21µm		ASTM D7647	>40			17
Particles >38µm		ASTM D7647	>10			0
Particles >71µm		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>20/18/14			△ 23/20/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.068	0.07	0.048



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: AOL06218312 Lab Number : 06218312 Unique Number : 11096509

Received : 24 Jun 2024 Tested : 26 Jun 2024 Diagnosed

: 26 Jun 2024 - Jonathan Hester

Test Package : MOB 2 (Additional Tests: KF, PrtCount)

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)

US 49512 Contact: JASON RAINEY

jrainey@apexoillab.com T: (616)328-6672 F: (616)828-1791

3956 44th STREET SE

GRAND RAPIDS, MI

Report Id: APEGRA [WUSCAR] 06218312 (Generated: 06/26/2024 13:42:58) Rev: 2

Contact/Location: JASON RAINEY - APEGRA