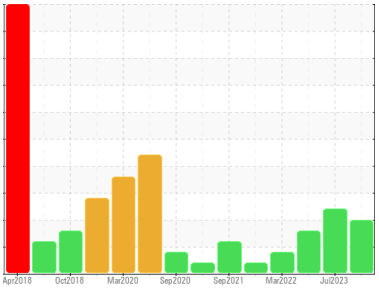
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
AG FORMALDEHYDE
Machine Id
FM BLOWER-SILVER PROCESS FANBL11001 GE (S/N 2263591 GEAR END)
Component
Blower
Fluid
CHEVRON DELO TORQFORCE SAE 30 (4 GAL)

DIAGNOSIS

Recommendation
No corrective actions at this time. Continue to sample at the standard interval.

Wear
The wear rate is low and steady

Contamination
Oil cleanliness is on par with new unfiltered oil. It would be useful to filter the oil while the machine is operating using side-stream (kidney-loop) filtration, with elements rates for B6=75 or better.

Fluid Condition
Fluid health conditions indiate that the oil is acceptable for continued use.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PLS0000623**	PLS0000625	PLS0000621
Sample Date		Client Info		**14 Mar 2024**	18 Jul 2023	28 Nov 2022
Machine Age	hrs	Client Info		**6000**	6000	6000
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**13**	10	12
Iron	ppm	ASTM D5185m	>20	**9**	4	▲ 19
Chromium	ppm	ASTM D5185m	>20	**0**	<1	<1
Nickel	ppm	ASTM D5185m	>20	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m		**<1**	0	0
Aluminum	ppm	ASTM D5185m	>20	**<1**	<1	1
Lead	ppm	ASTM D5185m	>20	**<1**	0	0
Copper	ppm	ASTM D5185m	>20	**1**	0	<1
Tin	ppm	ASTM D5185m	>20	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4	**0**	0	6
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	2	2
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	13	**0**	11	11
Calcium	ppm	ASTM D5185m	4000	**3493**	3865	3413
Phosphorus	ppm	ASTM D5185m	990	**930**	970	875
Zinc	ppm	ASTM D5185m	1310	**1086**	1251	1046
Sulfur	ppm	ASTM D5185m	3010	**3847**	4519	3795

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**5**	5	12
Sodium	ppm	ASTM D5185m		**6**	<1	0
Potassium	ppm	ASTM D5185m	>20	**0**	<1	1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		**0**	0	0.1
Nitration	Abs/cm	*ASTM D7624		**3.2**	3.4	3.9
Sulfation	Abs/.1mm	*ASTM D7415		**12.1**	12.2	13.4

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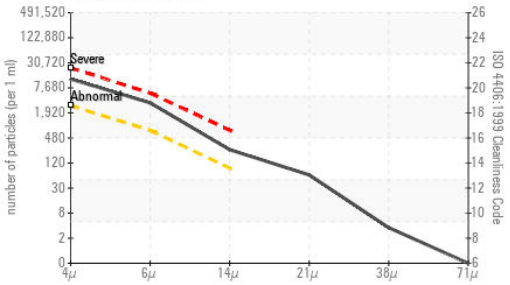
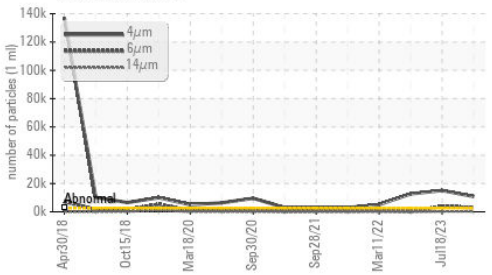
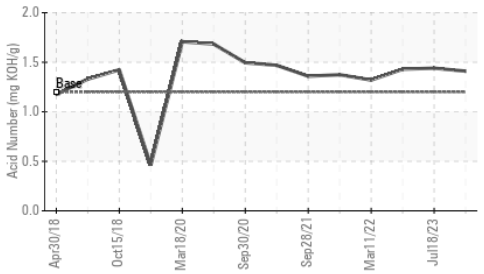
Particle Count



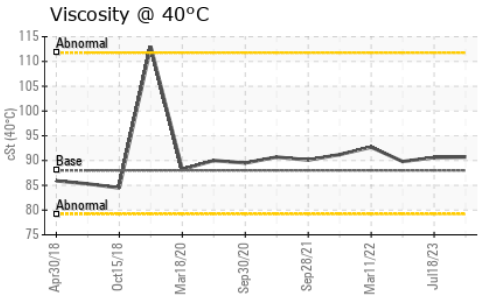
Particle Trend



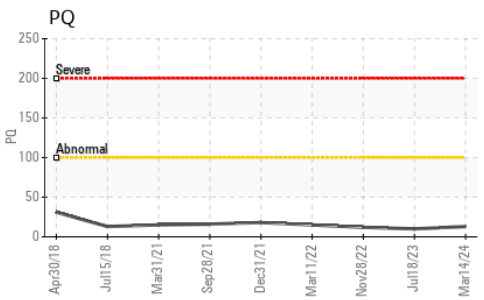
Acid Number



Viscosity @ 40°C



PQ

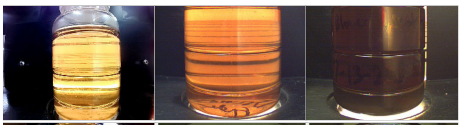


FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	▲ **10853**	▲ 15093	▲ 12672
Particles >6µm		ASTM D7647	>640	▲ **2929**	▲ 3896	288
Particles >14µm		ASTM D7647	>80	▲ **221**	▲ 261	22
Particles >21µm		ASTM D7647	>20	▲ **55**	▲ 65	8
Particles >38µm		ASTM D7647	>4	**3**	▲ 6	1
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ **21/19/15**	▲ 21/19/15	▲ 21/15/12

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		**6.3**	5.9	6.0
Acid Number (AN)	mg KOH/g	ASTM D8045	1.2	**1.41**	1.44	1.43

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		**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88	**90.7**	90.6	89.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PLS0000623
Lab Number : 06123065
Unique Number : 10937216
Test Package : IND 2 (Additional Tests: FT-IR, PQ, PrtCount)

Received : 19 Mar 2024
Tested : 20 Mar 2024
Diagnosed : 01 Apr 2024 - Mike Johnson

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - 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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Report Id: HEXLAG [WUSCAR] 06123065 (Generated: 04/01/2024 10:07:44) Rev: 1

Submitted By: ?