FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(YA145297)
Machine Id
3492C
Component
Natural Gas Engine
Fluid
CHEVRON DELO 400 NG (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

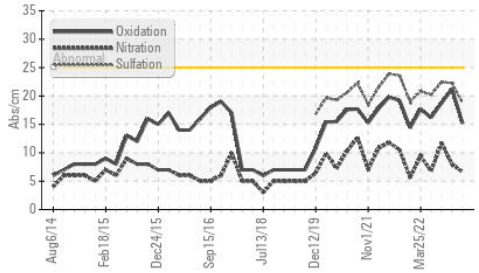
There is no indication of any contamination in the oil.

FLUID CONDITION

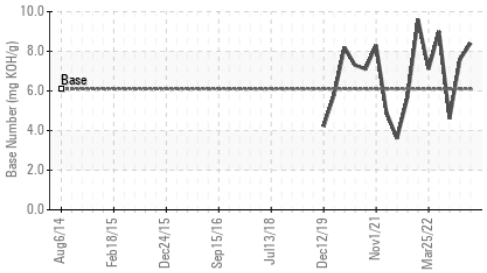
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123398	GFL0082493	GFL0050798
Sample Date		Client Info		18 Jun 2024	28 Aug 2023	06 Feb 2023
Machine Age	mls	Client Info		197316	6050	4823
Oil Age	mls	Client Info		197316	1227	1233
Filter Age	mls	Client Info		197316	1227	1233
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	6	14	▲ 72
Chromium	ppm	ASTM D5185m	>4	<1	2	4
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	1	4
Lead	ppm	ASTM D5185m	>30	<1	1	<1
Copper	ppm	ASTM D5185m	>35	2	2	▲ 42
Tin	ppm	ASTM D5185m	>4	0	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>+100	4	5	<1
Potassium	ppm	ASTM D5185m	>20	4	4	4
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.6	8.0	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	22.3	22.4
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	4	6
Boron	ppm	ASTM D5185m		41	23	5
Barium	ppm	ASTM D5185m		0	44	0
Molybdenum	ppm	ASTM D5185m		50	47	59
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		606	487	519
Calcium	ppm	ASTM D5185m		1696	1374	1671
Phosphorus	ppm	ASTM D5185m	800	875	722	715
Zinc	ppm	ASTM D5185m	880	1040	852	959
Sulfur	ppm	ASTM D5185m		3129	2799	2124
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	21.2	18.8
Base Number (BN)	mg KOH/g	ASTM D2896	6.1	8.4	7.6	4.6
Visc @ 100°C	cSt	ASTM D445	15.8	14.4	14.8	14.7

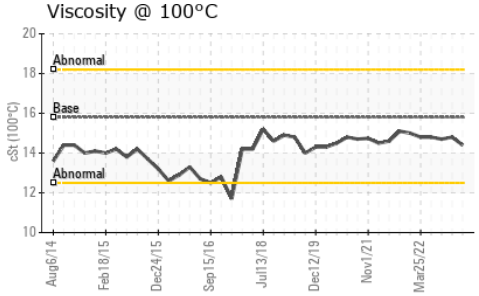
FT-IR (Direct Trend)



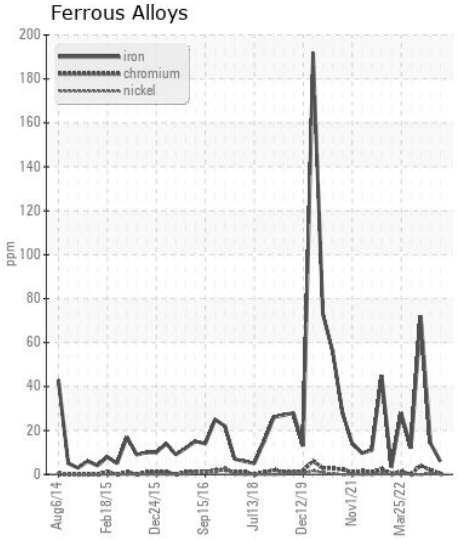
Base Number



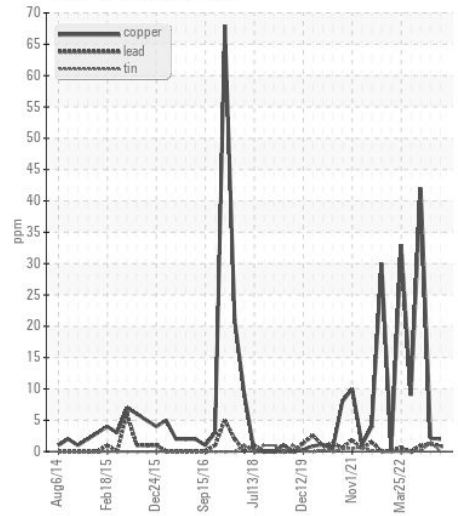
Viscosity @ 100°C



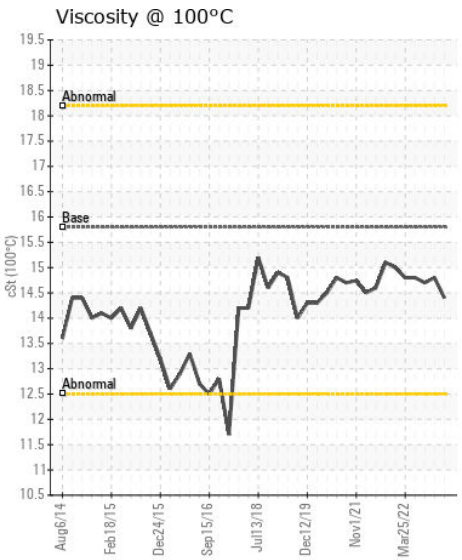
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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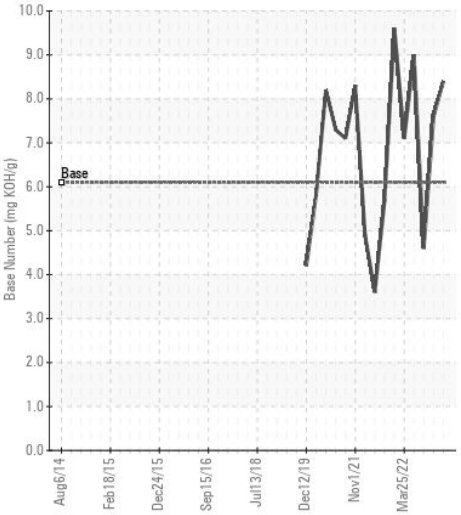

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123398
Lab Number : 06215561
Unique Number : 11088425
Test Package : FLEET

Received : 20 Jun 2024
Tested : 21 Jun 2024
Diagnosed : 21 Jun 2024 - Wes Davis

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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