OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
139-479
Component
Diesel Engine
Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

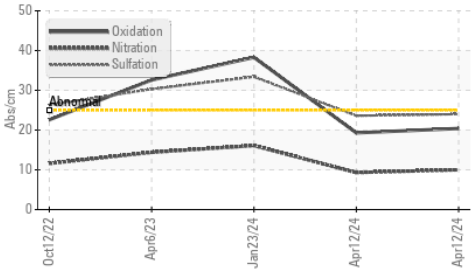
There is no indication of any contamination in the oil.

FLUID CONDITION

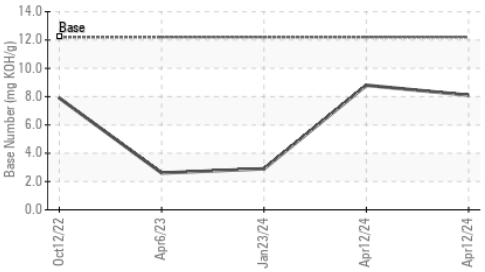
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016744	RPL0016783	RPL0016659
Sample Date		Client Info		12 Apr 2024	12 Apr 2024	23 Jan 2024
Machine Age	mls	Client Info		87632	161168	0
Oil Age	mls	Client Info		87632	161168	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	17	13	75
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		2	2	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	8	7	26
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	0	0	10
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	10	9	21
Potassium	ppm	ASTM D5185m	>20	7	6	43
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.2	0.7
Nitration	Abs/cm	*ASTM D7624	>20	10.0	9.3	16.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	23.6	33.4
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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	0	4
Boron	ppm	ASTM D5185m		215	247	30
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		115	110	144
Manganese	ppm	ASTM D5185m		0	0	2
Magnesium	ppm	ASTM D5185m		728	697	722
Calcium	ppm	ASTM D5185m		1579	1495	1718
Phosphorus	ppm	ASTM D5185m	1360	766	722	735
Zinc	ppm	ASTM D5185m	1480	872	816	928
Sulfur	ppm	ASTM D5185m		2920	2784	2464
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.4	19.3	38.3
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	8.1	8.8	▲ 2.9
Visc @ 100°C	cSt	ASTM D445	15.1	13.9	13.8	15.0

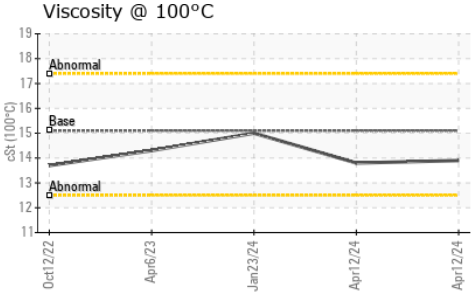
FT-IR (Direct Trend)



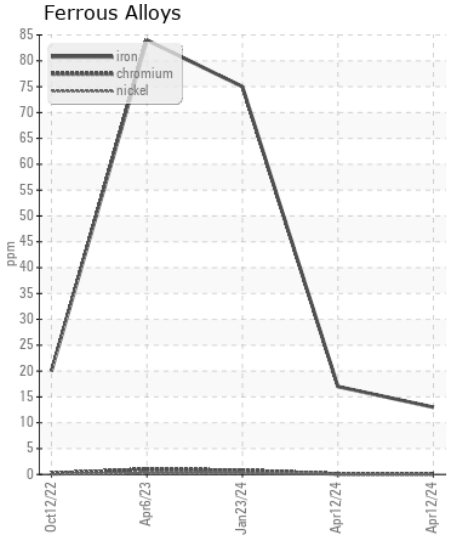
Base Number



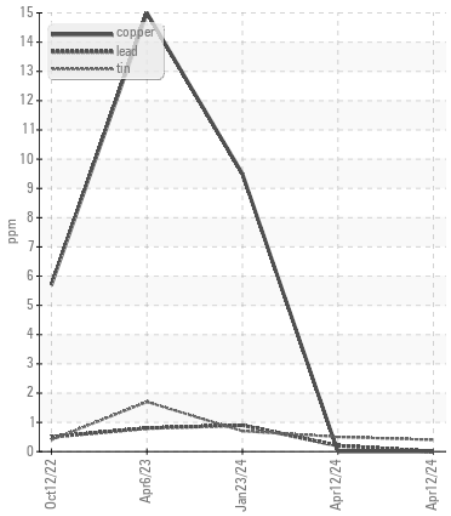
Viscosity @ 100°C



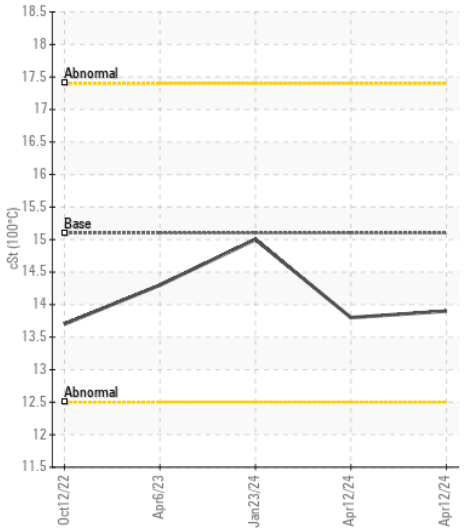
Ferrous Alloys



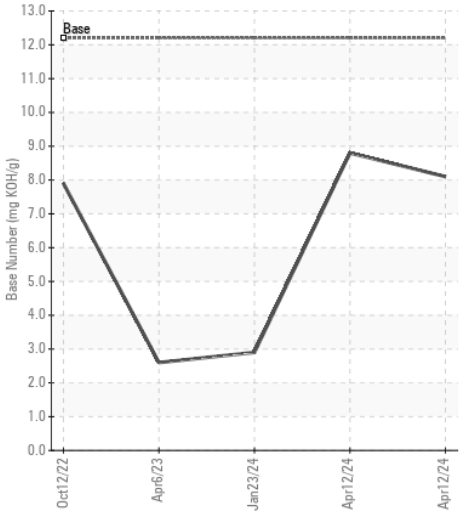
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016744
Lab Number : 06151668
Unique Number : 10981746
Test Package : FLEET

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 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)

RTL PACLEASE - 7005 - Arlington
1900 E Division
Arlington, TX
US 76011
Contact: Richard Ronquillo
RonquilloR@RushEnterprises.Com
T: (469)203-8171
F: