



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8574316
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019647	RPL0007872	RPL0007729
Sample Date		Client Info		20 May 2024	24 Jul 2023	21 Mar 2023
Machine Age	mls	Client Info		189289	152164	132678
Oil Age	mls	Client Info		37125	152164	6791
Filter Age	mls	Client Info		0	152164	6791
Oil Changed		Client Info		N/A	Changed	Not Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	42	10	8
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	9	13	3
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m	>330	3	2	<1
Tin	ppm	ASTM D5185m	>15	1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

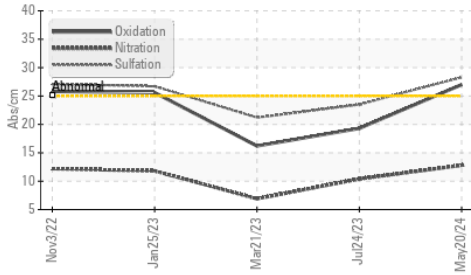
Silicon	ppm	ASTM D5185m	>25	11	10	9
Potassium	ppm	ASTM D5185m	>20	18	12	8
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.8	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	12.8	10.4	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.3	23.5	21.2
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

FLUID CONDITION

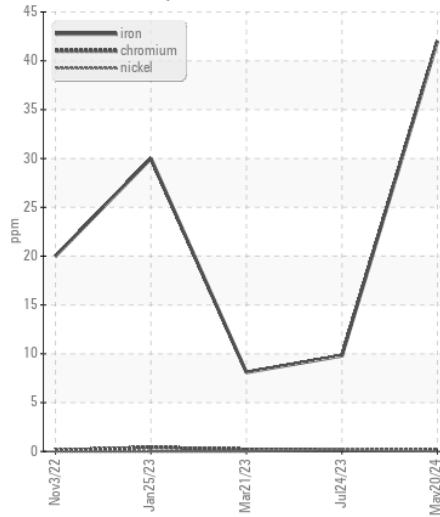
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	2	0
Boron	ppm	ASTM D5185m		32	103	300
Barium	ppm	ASTM D5185m		<1	2	2
Molybdenum	ppm	ASTM D5185m		93	104	109
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		705	664	629
Calcium	ppm	ASTM D5185m		1556	1449	1487
Phosphorus	ppm	ASTM D5185m	1360	752	716	709
Zinc	ppm	ASTM D5185m	1480	893	889	871
Sulfur	ppm	ASTM D5185m		2805	2717	2594
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.0	19.3	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	5.0	7.0	7.8
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.0	13.3

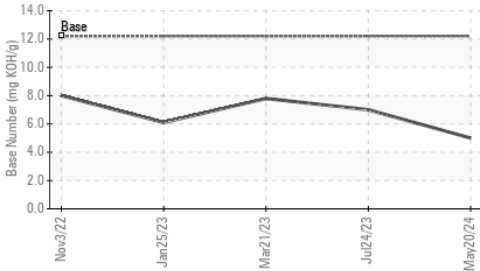
FT-IR (Direct Trend)



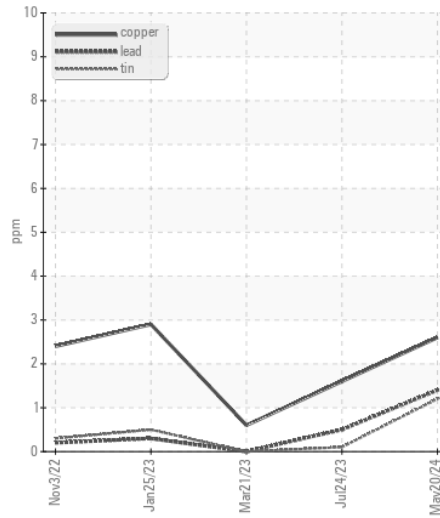
Ferrous Alloys



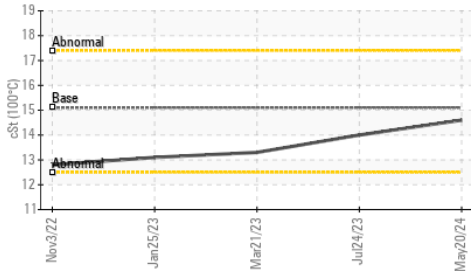
Base Number



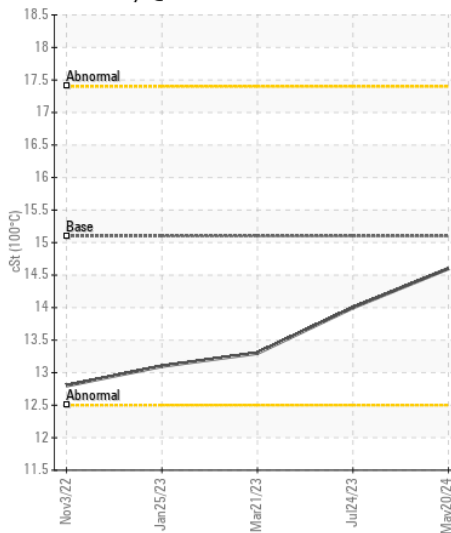
Non-ferrous Metals



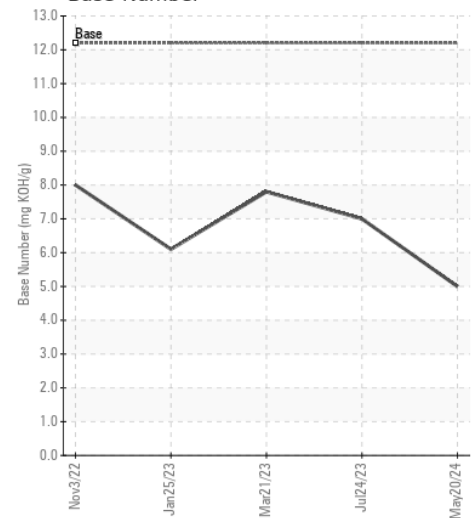
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0019647

Lab Number : 06193762

Unique Number : 11050514

Test Package : FLEET

Received : 29 May 2024

Tested : 30 May 2024

Diagnosed : 30 May 2024 - Sean Felton

RTL PACLEASE - 7005 - Arlington

1900 E Division

Arlington, TX

US 76011

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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)