CONST

PetroCard™ MORE THAN JUST FUEL.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GM Seattle Off Raod Shop
Machine Id
[GM Seattle Off Raod Shop] 26-213
Component
Diesel Engine
Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

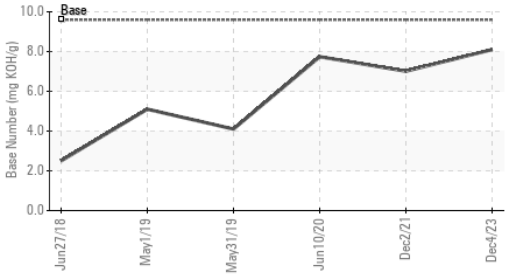
There is no indication of any contamination in the oil.

FLUID CONDITION

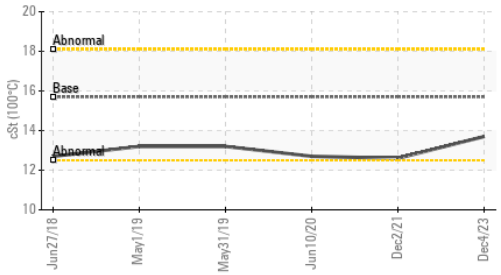
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002176	PE12290987	PE12291558
Sample Date		Client Info		04 Dec 2023	02 Dec 2021	10 Jun 2020
Machine Age	hrs	Client Info		9724	8523	8164
Oil Age	hrs	Client Info		1201	359	523
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	22	16	27
Chromium	ppm	ASTM D5185m	>20	<1	0	1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		76	0	1
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	2	1	2
Lead	ppm	ASTM D5185m	>40	2	1	3
Copper	ppm	ASTM D5185m	>330	1	1	1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		1	0	0
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>25	6	2	3
Potassium	ppm	ASTM D5185m	>20	<1	0	4
Fuel		WC Method	>5	<1.0	<1.0	▲ 5.15
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	12.4	11	14
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.8	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m		3	1	4
Boron	ppm	ASTM D5185m		80	50	105
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		16	50	41
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		531	722	684
Calcium	ppm	ASTM D5185m		2002	1694	1596
Phosphorus	ppm	ASTM D5185m	1200	1179	1144	936
Zinc	ppm	ASTM D5185m	1300	1370	1300	1125
Sulfur	ppm	ASTM D5185m	3200	3889	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	19	25
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	8.1	7.01	7.74
Visc @ 100°C	cSt	ASTM D445	15.7	13.7	12.6	12.7

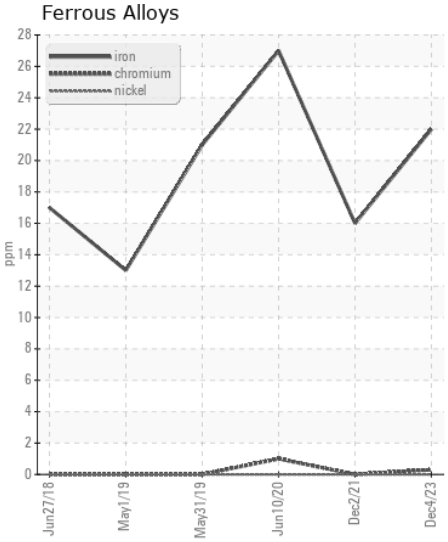
Base Number



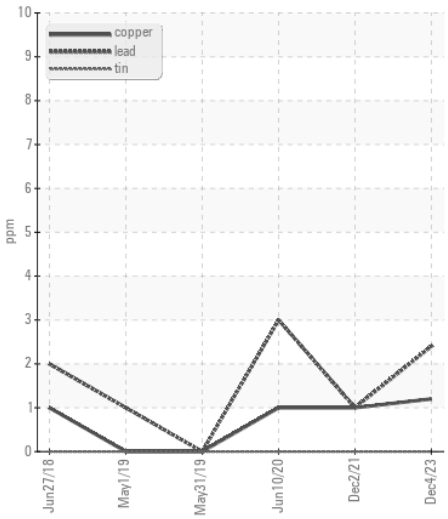
Viscosity @ 100°C



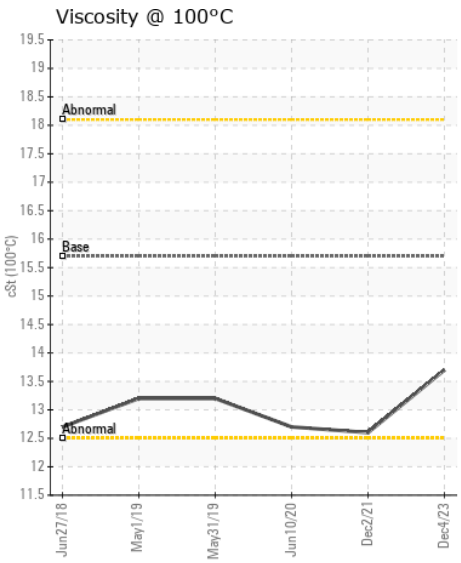
Ferrous Alloys



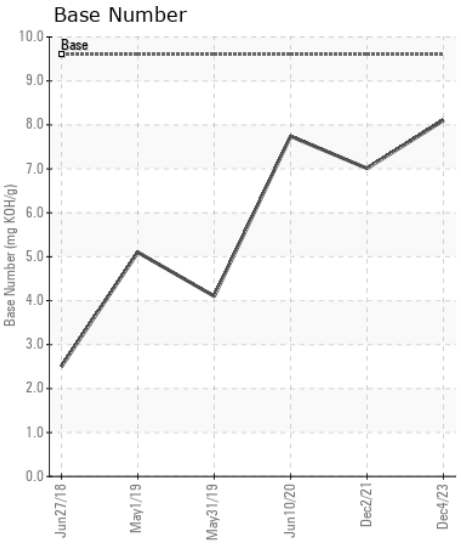
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002176
Lab Number : 06059997
Unique Number : 10831379
Test Package : CONST (Additional Tests: FT-IR, ICP, KV100, SCREEN, TBN)

Recieved : 12 Jan 2024
Diagnosed : 16 Jan 2024
Diagnostician : Don Baldridge

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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