



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**FLEET**  
Machine Id  
**VOLVO 2026819**  
Component  
**Main Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (38 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0116250</b>	PCA0108073	PCA0081199
Sample Date		Client Info		<b>23 Feb 2024</b>	28 Sep 2023	14 Sep 2022
Machine Age	mls	Client Info		<b>308143</b>	308143	83644
Oil Age	mls	Client Info		<b>83644</b>	224499	83644
Filter Age	mls	Client Info		<b>0</b>	0	83644
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>30</b>	55	28
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	5	4
Lead	ppm	ASTM D5185m	>40	<b>2</b>	4	2
Copper	ppm	ASTM D5185m	>330	<b>11</b>	17	16
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

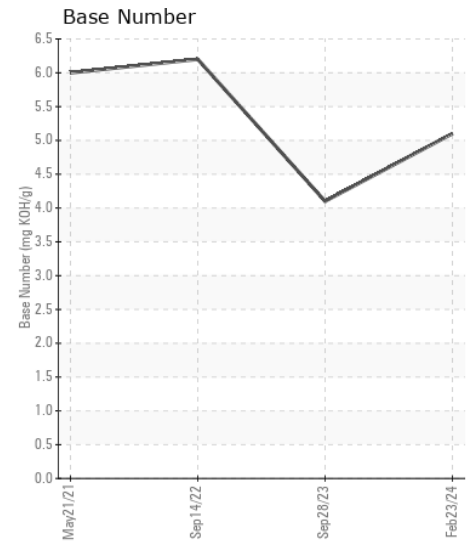
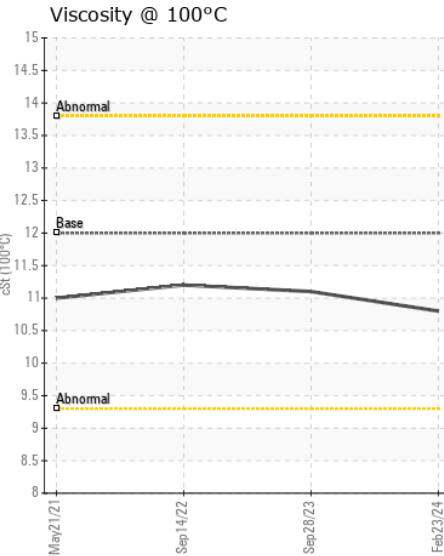
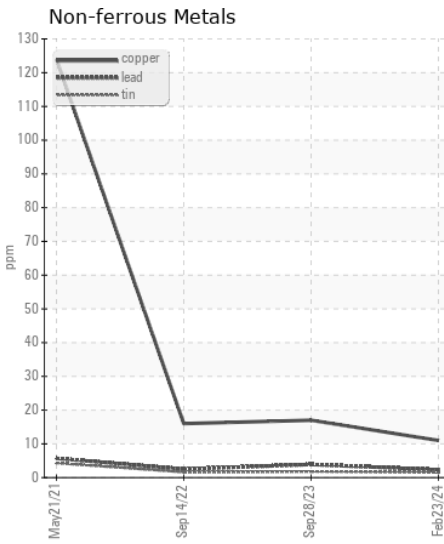
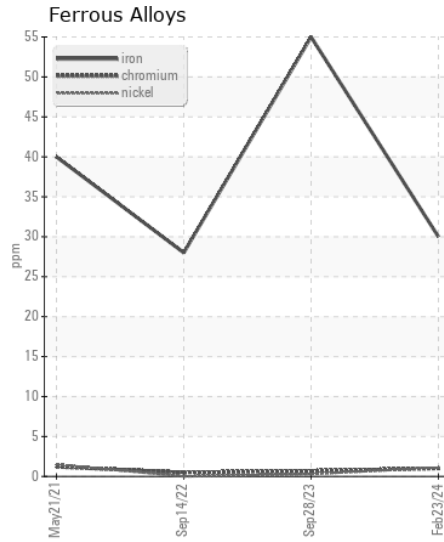
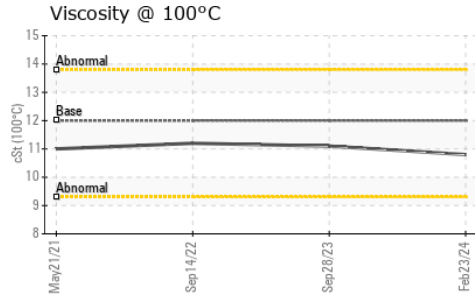
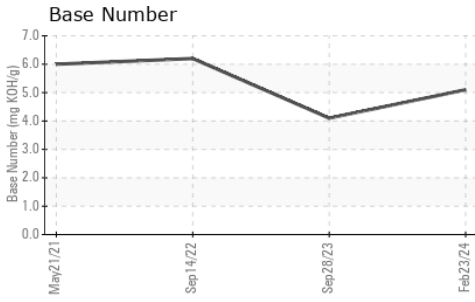
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>16</b>	10	8
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	7	8
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.9	0.8
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.7</b>	11.8	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.5</b>	24.8	24.9
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**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.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	4	<1
Boron	ppm	ASTM D5185m	2	<b>2</b>	0	3
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>61</b>	68	64
Manganese	ppm	ASTM D5185m	0	<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m	950	<b>802</b>	1040	890
Calcium	ppm	ASTM D5185m	1050	<b>966</b>	1215	1188
Phosphorus	ppm	ASTM D5185m	995	<b>850</b>	997	905
Zinc	ppm	ASTM D5185m	1180	<b>1084</b>	1355	1240
Sulfur	ppm	ASTM D5185m	2600	<b>2860</b>	2753	3296
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.2</b>	20.4	19.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.1</b>	4.1	6.2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.8</b>	11.1	11.2



Certificate L2367

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

**Sample No.** : PCA0116250

**Lab Number** : 06101377

**Unique Number** : 10899607

**Test Package** : FLEET

**Received** : 27 Feb 2024

**Tested** : 28 Feb 2024

**Diagnosed** : 28 Feb 2024 - Wes Davis

**PERDUE FARMS - DILLON**

2047 HWY 9 WEST

DILLON, SC

US 29536

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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)