

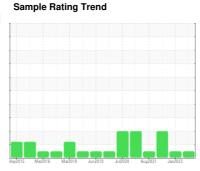
OIL ANALYSIS REPORT



Area FLEET VOLVO 7636 (S/N 925046)

Diesel Engine

PETRO CANADA DURON SHP 10W30 (36 QTS)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

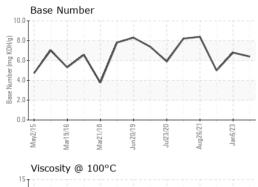
Fluid Condition

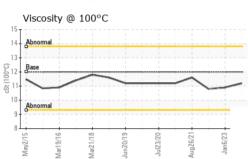
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/bass current history/ history/ Sample Date Client Info 03 Sep 2023 06 Jan 2023 24 Feb 2022 Machine Age mls Client Info 24000 61 3618 696398 Oil Age mls Client Info 24000 40000 24000 Oil Changed Client Info Changed Changed Changed Changed Sample Status NCRMAL NORMAL ABNORMAL CONTAMINATION method Imit/bass current history1 history2 Fuel WC Method NEG NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method Imit/bass current history1 history2 Iron ppm ASTM D5185m >10 2 3 47 Chromium ppm ASTM D5185m >20 1 2 3 Nickel p			Vlay2015 M	azore mazoro Jun	2019 Jul2020 Aug2021 -	Jan2023		
Sample Date Client Info 24000 61 3618 696398 Machine Age mls Client Info 24000 61 3618 696398 Oil Age mls Client Info 24000 40000 24000 Oil Changed Client Info Changed Changed Changed Changed Sample Status method Imitibase current history1 history2 Fuel WC Method 8-6.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Machine Age mls Client Info 24000 613618 696398 Oil Age mls Client Info 24000 40000 24000 Oil Changed Client Info Changed	Sample Number		Client Info		PCA0101150	PCA0087240	PCA0067360	
Oil Age mls Client Info 24000 40000 24000 Oil Changed Client Info Changed C	Sample Date		Client Info		03 Sep 2023	06 Jan 2023	24 Feb 2022	
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Silver ppm ASTM D5185m >2 0 0 <1	Nickel	ppm	ASTM D5185m	>2	2	1	0	
Silver ppm ASTM D5185m >2 0 0 <1	Titanium	ppm	ASTM D5185m		2	6	<1	
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FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 16.5 17.4 19.5								
Oxidation Abs/.1mm *ASTM D7414 >25 16.5 17.4 19.5					20.9	20.7	24.0	
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2	
Base Number (BN) mg KOH/g ASTM D2896 6.4 6.8 5.0	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	17.4	19.5	
	Base Number (BN)	mg KOH/g	ASTM D2896		6.4	6.8	5.0	



OIL ANALYSIS REPORT

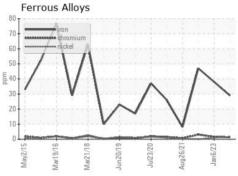


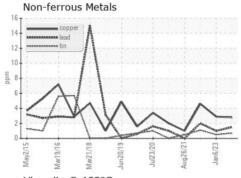


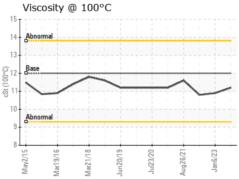
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	10.9	10.8

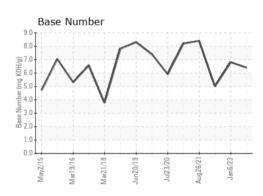
GRAPHS







Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)







Report Id: PERSALMD [WUSCAR] 05946936 (Generated: 09/13/2023 10:10:30) Rev: 1

Laboratory Sample No. Lab Number Test Package : FLEET

Unique Number : 10642895

: PCA0101150 : 05946936

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Sep 2023 Diagnosed : 12 Sep 2023 Diagnostician : Wes Davis

Certificate L2367 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.

US 21802 Contact: RICHARD O'NEAL richard.oneal@perdue.com

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T: (410)543-3628 F: (410)341-2164

Contact/Location: RICHARD O'NEAL - PERSALMD