

OIL ANALYSIS REPORT

Sample Rating Trend

Area (AU397U) Supermarket - Tractor FREIGHTLINER 107A1842

Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

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

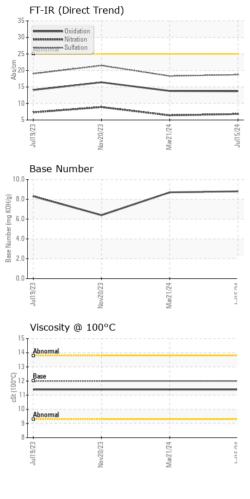
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Date Client Info 15 Jul 2024 21 Mar 2024 20 Nov 2023 Machine Age mis Client Info 224935 212766 204109 Oil Age mis Client Info 12169 8657 13681 Oil Changed Client Info 12169 8657 13681 Oil Anged Changed Changed Changed Changed NORMAL NO	GAL)		Jul202	3 Nov2023	Mar2024 Ji	12024	
Sample Date Client Info 15 Jul 2024 21 Mar 2024 20 Nov 2023 Machine Age mis Client Info 224935 212766 204109 Oil Age mis Client Info 12169 8657 13681 Oil Changed Client Info Changed Changed Changed Changed Sample Status WC Method >5 <1.0 <1.0 <1.0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Method WC Method >5 <1.0 <1.0 <1.0 Vico WEAR METALS method imil/base current history1 history2 for ppm ASTM D51657 >20 <1 0 <1 0 Sliver ppm ASTM D51657 >30 0 <1 0 <1 0 Sliver ppm ASTM D51657 >30 0 <1	SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
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Fuel WC Method >5 <1.0	Sample Status			NORMAL		NORMAL	NORMAL
Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method Imil/base current history1 history2 Iron ppm ASTM D5185m >80 11 19 20 Chromium ppm ASTM D5185m >5 <1 1 <1 Nickel ppm ASTM D5185m >2 0 <1 0 Silver ppm ASTM D5185m >3 0 <1 0 Aluminum ppm ASTM D5185m >30 0 <1 0 Silver ppm ASTM D5185m >30 0 <1 0 Aluminum ppm ASTM D5185m >5 0 1 0 Capper ppm ASTM D5185m >5 0 1 0 Admadium ppm ASTM D5185m 0 <1 0 3 Molydoenum ppm ASTM D5185m 50 62 67	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
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Maganese ppm ASTM D5185m 0 <1	Barium	ppm	ASTM D5185m	0	<1	0	3
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Oxidation Abs/.1mm *ASTM D7414 >25 13.7 13.8 16.4	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	18.3	21.5
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 8.8 8.7 6.4	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	13.8	16.4
	Base Number (BN)	mg KOH/g	ASTM D2896		8.8	8.7	6.4

NORMAL







end)			VISUAL		method	limit/base	e current	history1	history2	
			White Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
			Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
And and a lot of the lot of the lot of the	-		Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE	
			Silt	scalar	*Visual	NONE	NONE	NONE	NONE	
			Debris	scalar	*Visual	NONE	NONE	NONE	NONE	
***************	Rent Bistic Colors		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE	
	Mar21/24	Jul15/24	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML	
	Mar	Jul	Odor	scalar	*Visual	NORML	NORML	NORML	NORML	
			Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG	
		· · · · · · · · · · · · · · · · · · ·	Free Water	scalar	*Visual		NEG	NEG	NEG	
/			FLUID PROPE	RTIES	method	limit/base	e current	history1	history2	
			Visc @ 100°C	cSt	ASTM D445	12.00	11.4	11.4	11.4	
			GRAPHS							
			Ferrous Alloys							
	Mar21/24 -		iron							
	Mar2	-	15- nickel							
C			<u>ق</u> 10							
			₽.IU- *							
			5-							
	1		0							
			Jul19/23 Vov20/23		Mar21/24	Jul15/24				
			Jul. Novi		Mar	Jul				
	+	*	Non-ferrous Meta	s						
	Mar21/24	11 E.13	14 copper							
	M	2	12 - tin							
			10-							
			E C C C C C C C C C C C C C C C C C C C							
			6-							
			4-							
			2		and the local data was as a feature of the local da					
				dilles constants	- +	54				
			Jul19/23 Nov20/23		Mar21/24	Jul15/24				
			∽ Viscosity @ 100°C		≥	~				
			¹⁵ T	•			Base Numbe	r		
		14 - Abnormal				8.0				
		13-								
						KOH	7.0	\sim		
			0 12 - Base 0 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12			er (mg	5.0			
						Numb	4.0			
			10 - Abnormal			ase	4.0 3.0 2.0			
			9 -				1.0			
					24		0.0			
			Jul19/23		Mar21/24	Jul15/24	Jul19/23	Nov20/23	7/1 1/1/1/2/1/1/1/1/2/1/2/1/2/1/2/1/2/2/2/2	
			n N		M	- -		N		
		Laboratory	: WearCheck USA - 50	1 Madico		NC 27513	Transor	vice - Shop 1071 - Si	Inermarket-Davto	
	D	Sample No.	: PCA0124107	Recei		7 Jul 2024			A Tower Roa	
	TED	Lab Number	: 06238848	Teste	e d :1	7 Jul 2024			Dayton, N	
TESTING LABORAT	TORY	Unique Number		Diagr	nosed : 1	7 Jul 2024 -	Wes Davis	-	US 0881	
Certificate L		Test Package		ion at 1 C	00 007 100	20			act: Brian Quin	
			, contact Customer Serv are outside of the ISO 1					1@nniupa	ranservice.con	
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Submitted By: Brian Quinn Page 2 of 2