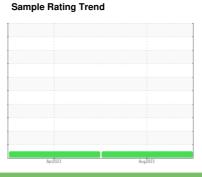


OIL ANALYSIS REPORT

(AU770S) Supermarket FREIGHTLINER 107A8829

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (11 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the

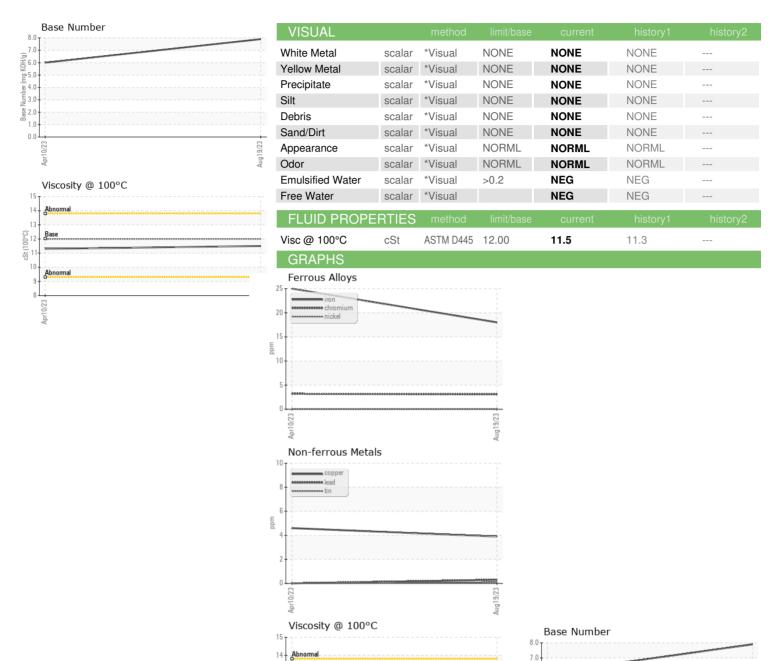
Fluid Condition

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

GAL)			Apr2023	Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104104	PCA0096004	
Sample Date		Client Info		19 Aug 2023	10 Apr 2023	
Machine Age	mls	Client Info		239639	220825	
Oil Age	mls	Client Info		18814	35364	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	18	25	
Chromium	ppm	ASTM D5185m		3	3	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m		28	43	
Lead	ppm	ASTM D5185m	>30	<1	0	
Copper	ppm	ASTM D5185m		4	5	
Tin	ppm	ASTM D5185m	>5	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	РР	method	limit/base	current	history1	history2
						HISTOTYZ
Boron	ppm	ASTM D5185m	2	4	3	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	68	62	
Manganese	ppm	ASTM D5185m	0	<1	1	
Magnesium	ppm	ASTM D5185m	950	1035	978	
Calcium	ppm	ASTM D5185m	1050	1175	1193	
Phosphorus	ppm	ASTM D5185m	995	1064	977	
Zinc	ppm	ASTM D5185m	1180	1336	1312	
Sulfur	ppm	ASTM D5185m	2600	3650	3021	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm		>20	5	5	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	57	83	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0	1.1	
Nitration	Abs/cm	*ASTM D7624	>20	8.1	8.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	19.7	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	16.3	
D 11 (D11)	ma 1/011/a	ASTM D2896		7.9	6.0	
Base Number (BN)	ilig NOH/g	A3 1 W D2030		1.5	0.0	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

cSt (100°C)

: PCA0104104 : 05940484 : 10631096

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 01 Sep 2023 : 01 Sep 2023 : Wes Davis Diagnostician

4.0

1.0 0.0

Aug19/23

Transervice - Shop 1071 - Supermarket-Dayton

60 A Tower Road Dayton, NJ US 08810

Contact: Brian Quinn bquinn@transervice.com

* - 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) T:

F: