

OIL ANALYSIS REPORT

San

Sample Rating Trend

NORMAL



FREIGHTLINER 196

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- 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

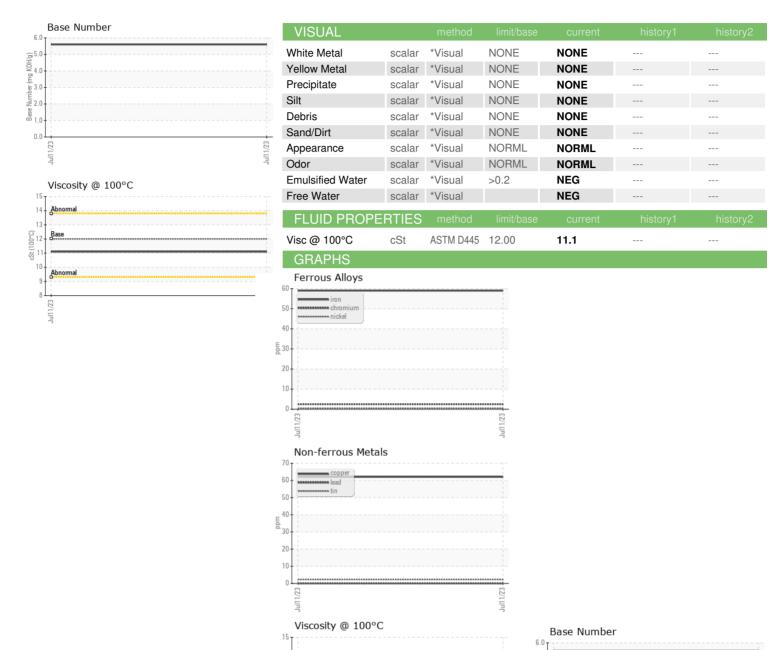
Fluid Condition

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

GAL)				Jul2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100678		
Sample Date		Client Info		11 Jul 2023		
Machine Age	mls	Client Info		106958		
Oil Age	mls	Client Info		51643		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	59		
Chromium	ppm	ASTM D5185m	>5	2		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	13		
Lead	ppm	ASTM D5185m	>30	0		
Copper	ppm	ASTM D5185m	>150	62		
Γin	ppm	ASTM D5185m	>5	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	65		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	950	934		
Calcium	ppm	ASTM D5185m	1050	1336		
Phosphorus	ppm	ASTM D5185m	995	965		
Zinc	ppm	ASTM D5185m	1180	1192		
Sulfur	ppm	ASTM D5185m	2600	2497		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	29		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3		
Vitration	Abs/cm	*ASTM D7624	>20	12.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0		
Base Number (BN)	mg KOH/g	ASTM D2896		5.6		



OIL ANALYSIS REPORT







Certificate L2367

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

: PCA0100678 : 05902076 : 10563432

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

cSt (10

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

: 19 Jul 2023 : 20 Jul 2023 : Wes Davis

Jul11/23

B/H0X 4.0

0.0

A Truck Repair 9349 China Grove Church Road Pineville, NC US 28134

Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200

* - 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)