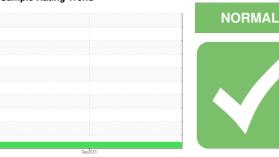


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 230

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

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. No other contaminants were detected in the oil.

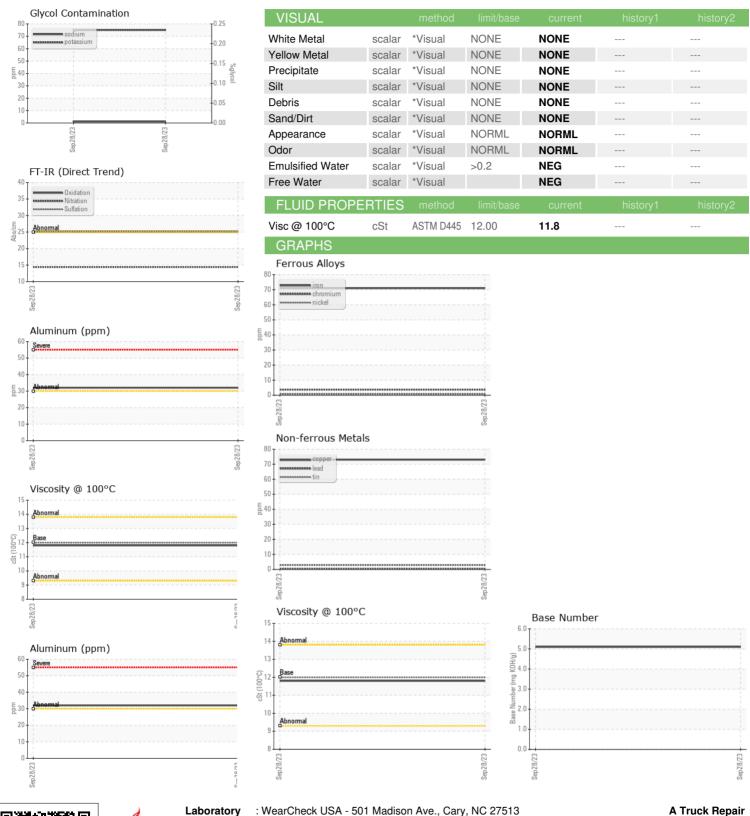
Fluid Condition

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

AL)				Sep 2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104954		
Sample Date		Client Info		28 Sep 2023		
Machine Age	mls	Client Info		105869		
Oil Age	mls	Client Info		51663		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	NC	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	;	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	71		
Chromium	ppm	ASTM D5185m	>5	4		
lickel	ppm	ASTM D5185m	>2	<1		
itanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Muminum	ppm	ASTM D5185m	>30	32		
.ead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	73		
in	ppm	ASTM D5185m	>5	3		
anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	70		
Manganese	ppm	ASTM D5185m	0	2		
/lagnesium	ppm	ASTM D5185m	950	918		
Calcium	ppm	ASTM D5185m	1050	1283		
hosphorus	ppm	ASTM D5185m	995	907		
linc	ppm	ASTM D5185m	1180	1225		
Sulfur	ppm	ASTM D5185m	2600	2222		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	10		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	75		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.5		
litration	Abs/cm	*ASTM D7624	>20	14.4		
Sulfation	Abs/.1mm	*ASTM D7415		24.9		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.1		
	mg KOH/g	ASTM D2896		5.1		
(2.11)	339			<u> </u>		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: PCA0104954 Lab Number : 06188621 Unique Number : 11045373

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

Test Package : FLEET

Received Tested Diagnosed

: 23 May 2024 : 24 May 2024 : 28 May 2024 - Don Baldridge 9349 China Grove Church Road Pineville, NC US 28134

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

 st - 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)

Report Id: ATRPIN [WUSCAR] 06188621 (Generated: 05/28/2024 15:26:28) Rev: 1

Submitted By: Vlad Melnichuk