

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 40020

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40

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

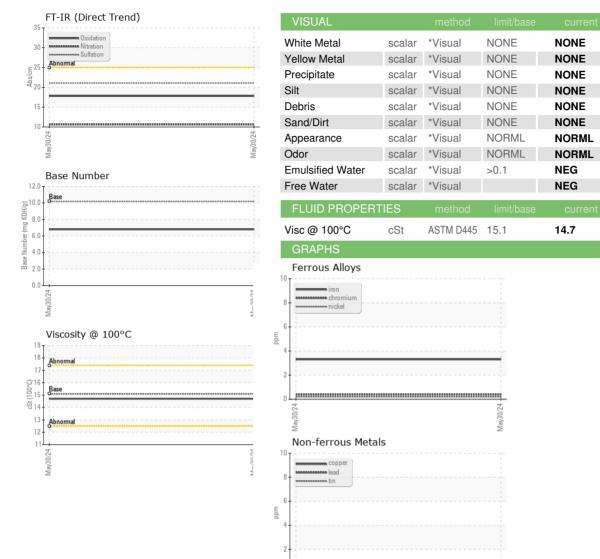
Fluid Condition

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

GAL)		L		May2024			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		SBP0007330			
Sample Date		Client Info		30 May 2024			
Machine Age	hrs	Client Info		5100			
Dil Age	hrs	Client Info		411			
Oil Changed		Client Info		Changed			
Sample Status				NORMAL			
CONTAMINATIO	N	method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG			
WEAR METALS		method	limit/base	current	history1	history2	
on	ppm	ASTM D5185m	>50	3			
Chromium	ppm	ASTM D5185m	>4	<1			
lickel	ppm	ASTM D5185m	>2	<1			
itanium	ppm	ASTM D5185m		0			
Silver	ppm	ASTM D5185m	>3	0			
Aluminum	ppm	ASTM D5185m	>9	2			
_ead	ppm	ASTM D5185m	>30	0			
Copper	ppm	ASTM D5185m	>35	<1			
in		ASTM D5185m	>4	<1			
/anadium	ppm		>4	0			
Zanadium Cadmium	ppm	ASTM D5185m ASTM D5185m		0			
	ppm		P 25 #	-			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	25			
Barium	ppm	ASTM D5185m	5	0			
Nolybdenum	ppm	ASTM D5185m	50	50			
Manganese	ppm	ASTM D5185m	0	<1			
Magnesium	ppm	ASTM D5185m	560	582			
Calcium	ppm	ASTM D5185m	1510	1609			
Phosphorus	ppm	ASTM D5185m	780	751			
Zinc	ppm	ASTM D5185m	870	938			
Sulfur	ppm	ASTM D5185m	2040	2735			
CONTAMINANTS	3	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>+100	4			
Sodium	ppm	ASTM D5185m		6			
Potassium	ppm	ASTM D5185m	>20	2			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0.2			
Nitration	Abs/cm	*ASTM D7624	>20	10.6			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1			
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2	
	Abs/.1mm	*ASTM D7414		17.8			
ZAIGALIOIT		ASTM D2896		6.8			



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Certificate 12367

Laboratory Sample No.

Lab Number : 06198593 Unique Number : 11060716

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0007330 Received

: 03 Jun 2024 **Tested** : 04 Jun 2024 Diagnosed Test Package : FLEET

: 04 Jun 2024 - Wes Davis

Base Number

(mg K0H/g 8 (

0.0

OMAHA, NE US 68110 Contact: TROY BEAN troy.bean@fccenvironmental.com

FCC ENVIRONMENTAL SERVICES NEBRASKA LLC

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Viscosity @ 100°C

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

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F:

59902 N 16TH ST