



Sample Rating Trend





Machine Id **MACK 20147** Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

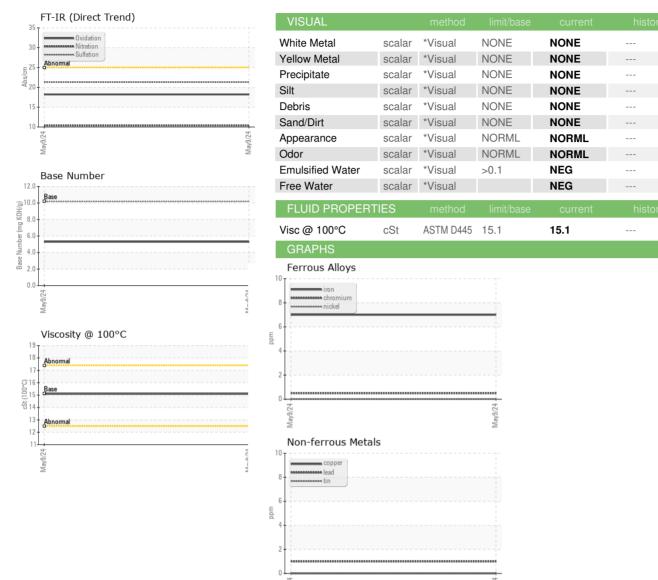
Fluid Condition

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

GEO LD 15W40 (- GAL)	1		May2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007315		
Sample Date		Client Info		09 May 2024		
Machine Age	hrs	Client Info		7184		
Oil Age	hrs	Client Info		448		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	7		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>5	0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>25	1		
_ead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>150	0		
Γin	ppm	ASTM D5185m	>4	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	12		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	50	53		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	560	552		
Calcium	ppm	ASTM D5185m	1510	1756		
Phosphorus	ppm	ASTM D5185m	780	740		
Zinc	ppm	ASTM D5185m	870	966		
Sulfur	ppm	ASTM D5185m	2040	2720		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	10.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2		
Base Number (BN)	mg KOH/g	ASTM D2896		5.3		
Dase Mulliber (DIM)	my NOTITY	HOTIVI DZ030	10.2	J.U		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0007315 Lab Number : 06176967 Unique Number : 11023020

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Test Package : FLEET

Received

Viscosity @ 100°C

: 13 May 2024 **Tested** : 14 May 2024 Diagnosed : 14 May 2024 - Wes Davis

Base Number

(mg K0H/g)

0.0

FCC ENVIRONMENTAL SERVICES NEBRASKA LLC 59902 N 16TH ST OMAHA, NE

US 68110 Contact: TROY BEAN

troy.bean@fccenvironmental.com

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

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