

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





		w2018 Jan2019 Dav2019 Aur2020 Jun2021 Ov2021 Jun2022 Aur2023							
	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2		
	Sample Number		Client Info		PCA0101760	PCA0095835	PCA0077285		
service interval to monitor.	Sample Date		Client Info		28 Feb 2024	28 Aug 2023	19 Apr 2023		
	Machine Age	hrs	Client Info		150	13767	12947		
al for a new component	Oil Age	hrs	Client Info		1200	820	956		
	Oil Changed		Client Info		Changed	Changed	Changed		
	Sample Status				NORMAL	NORMAL	NORMAL		
of any contamination in the	CONTAMINATIO	ON	method	limit/base	current	history1	history2		
	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0		
es that there is suitable	Water		WC Method	>0.2	NEG	NEG	NEG		
o the oil. The condition of the er service.	Glycol		WC Method		NEG	NEG	NEG		
	WEAR METALS		method	limit/base	current	history1	history2		
	Iron	ppm	ASTM D5185m	>90	10	2	1		
	Chromium	ppm	ASTM D5185m	>20	<1	0	0		
	Nickel	ppm	ASTM D5185m	>2	<1	0	0		
		ppm	ASTM D5185m	>2	<1	0	0		
	Silver	ppm	ASTM D5185m	>2	0	0	0		
	Aluminum	ppm	ASTM D5185m	>20	4	1	<1		
	Lead	ppm	ASTM D5185m	>40	<1	0	0		
	Copper	ppm	ASTM D5185m	>330	<1	0	0		
	Tin	ppm	ASTM D5185m	>15	<1	<1	0		
	Vanadium	ppm	ASTM D5185m		0	0	0		
	Cadmium	ppm	ASTM D5185m		<1	0	0		
	ADDITIVES		method	limit/base	current	history1	history2		
	Boron	ppm	ASTM D5185m	50	32	52	39		
	Barium	ppm	ASTM D5185m	5	0	0	0		
	Molybdenum	ppm	ASTM D5185m	50	57	46	48		
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1		
	Magnesium	ppm	ASTM D5185m	560	613	592	558		
	Calcium	ppm	ASTM D5185m	1510	1388	1655	1465		
	Phosphorus	ppm	ASTM D5185m	780	852	845	732		
	Zinc	ppm	ASTM D5185m	870	1026	1045	937		
	Sulfur	ppm	ASTM D5185m	2040	2882	3326	2753		
	CONTAMINANT	S	method	limit/base	current	history1	history2		
	Silicon	ppm	ASTM D5185m	>25	20	3	4		
	Sodium	ppm	ASTM D5185m		4	3	2		
	Potassium	ppm	ASTM D5185m	>20	<1	2	0		
	INFRA-RED		method	limit/base	current	history1	history2		
	Soot %	%	*ASTM D7844	>6	0.1	0	0		
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	6.6	6.9		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	17.7	18.5		
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	14.2	15.2		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.7	8.5	7.3		

Diesel Engine Fluid

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

DIAGNOSIS

Recommendation

Resample at the next

Wear

Metal levels are typica breaking in.

Contamination

There is no indication oil.

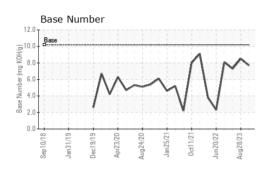
Fluid Condition

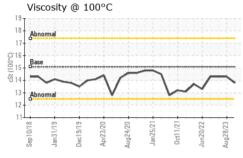
The BN result indicate alkalinity remaining in oil is suitable for furthe



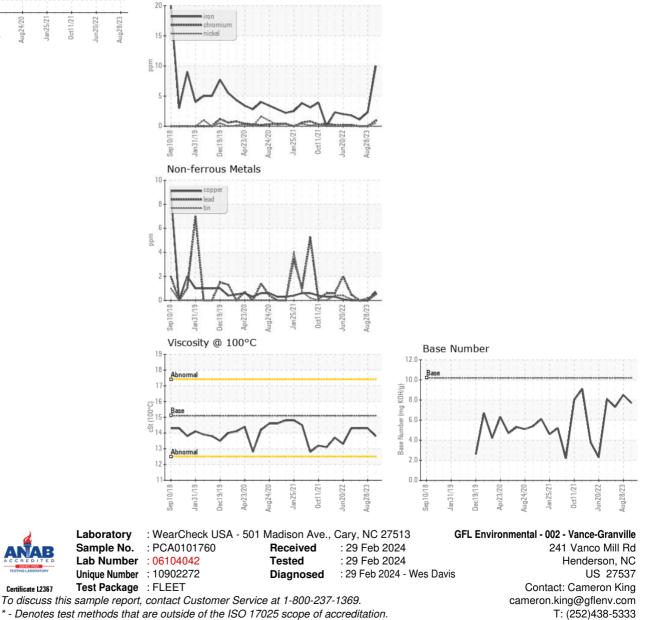
OIL ANALYSIS REPORT

Ferrous Alloys





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.8	14.3	14.3
GRAPHS						



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

Certificate L2367

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