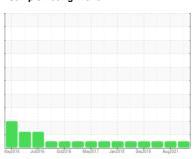


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 8439

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (46 QTS)

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

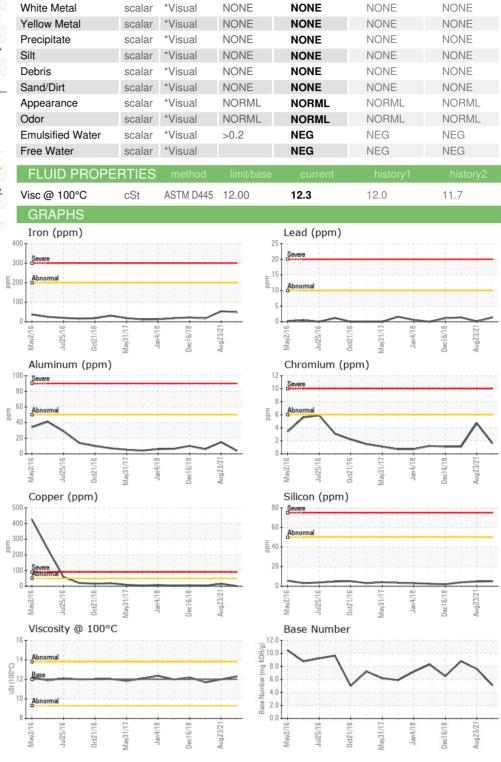
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		vlay2016 Ji	ıl2016 Oct2016 May	2017 Jan2018 Dec2018	Aug2021	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0051802	PCA0010106	PCA0016122
Sample Date		Client Info		27 Dec 2023	23 Aug 2021	20 Jul 2020
Machine Age	mls	Client Info		280300	673400	613033
Oil Age	mls	Client Info		33000	29100	16500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	49	54	17
Chromium	ppm	ASTM D5185m	>6	2	5	1
Nickel	ppm	ASTM D5185m	>3	0	2	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>50	4	15	6
Lead	ppm	ASTM D5185m	>10	1	<1	1
Copper	ppm	ASTM D5185m	>50	1	16	4
Tin	ppm	ASTM D5185m	>6	0	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	10	8	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	39	65	62
Manganese	ppm	ASTM D5185m	0	0	1	<1
Magnesium	ppm	ASTM D5185m	950	969	948	1076
Calcium	ppm	ASTM D5185m	1050	1426	1228	1164
Phosphorus	ppm	ASTM D5185m	995	922	1002	1066
Zinc	ppm	ASTM D5185m	1180	1171	1283	1255
Sulfur	ppm	ASTM D5185m	2600	2991	2191	2517
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	5	4
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	6	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	12.3	9.5	8
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.2	20.7	20.6
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.2	17.2	16



OIL ANALYSIS REPORT









Certificate L2367

Laboratory Sample No. Lab Number Test Package : MOB1+

Unique Number

: 10822233

: WearCheck USA -501 Madison Ave., Cary, NC 27513 : PCA0051802 Recieved : 06056284

Diagnosed Diagnostician

: Wes Davis

: 10 Jan 2024

: 11 Jan 2024

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)

MIDWEST MOTOR EXPRESS

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