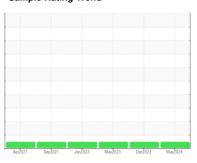


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2026830**

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- QTS

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

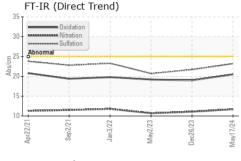
Fluid Condition

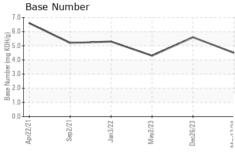
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

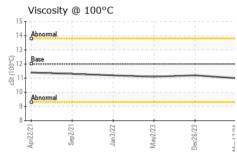
QTS)		AprŽ021	Sep2021 Jan2022	May2023 Dec2023	May2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0120143	PCA0108059	PCA0097137
Sample Date		Client Info		17 May 2024	26 Dec 2023	02 May 2023
Machine Age	mls	Client Info		334387	295674	256717
Oil Age	mls	Client Info		40000	40000	20000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	>100	52	50	50
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	1	0	0
Aluminum	ppm	ASTM D5185m	>20	5	6	6
Lead	ppm	ASTM D5185m	>40	3	2	1
Copper	ppm	ASTM D5185m	>330	9	14	12
Tin	ppm	ASTM D5185m	>15	2	2	1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	<1	4
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	50	64	62	61
Manganese	ppm	ASTM D5185m	0	1	1	1
Magnesium	ppm	ASTM D5185m	950	970	1028	993
Calcium	ppm	ASTM D5185m	1050	1114	1177	1188
Phosphorus	ppm	ASTM D5185m	995	990	1064	980
Zinc	ppm	ASTM D5185m	1180	1252	1271	1251
Sulfur	ppm	ASTM D5185m	2600	2841	2969	2984
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	7	6
Sodium	ppm	ASTM D5185m		2	2	1
Potassium	ppm	ASTM D5185m	>20	4	4	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	11.7	11.1	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	21.7	20.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	19.0	19.2
Base Number (BN)	mg KOH/g	ASTM D2896		4.5	5.6	4.3
. ,	- 0					

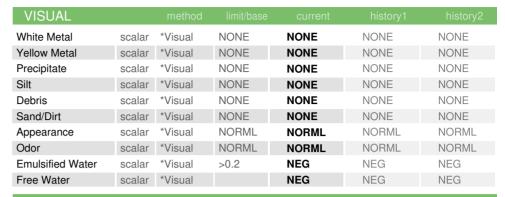


OIL ANALYSIS REPORT



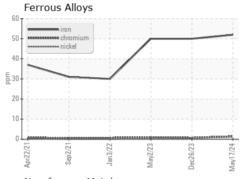


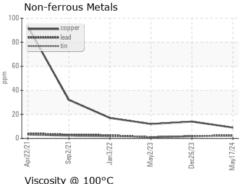


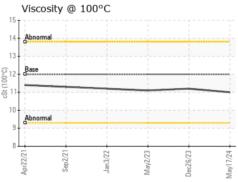


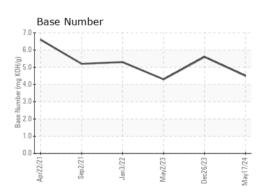
FLUID PROPERTIES		method			history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.0	11.2	11.1

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06191849 Unique Number : 11048601

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0120143

Test Package : FLEET

Received : 28 May 2024 **Tested**

Diagnosed

: 29 May 2024 : 30 May 2024 - Sean Felton LEWISTON, NC US 27849

Contact: NELSON WALLACE nelson.wallace2@perdue.com T:

PERDUE FARMS - Lewiston

210 GRIFFINS QUARTER RD

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

F: