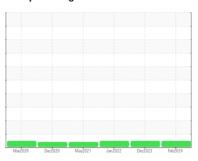


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

Thomas 3608

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (18 QTS)

DIAGNOSIS

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

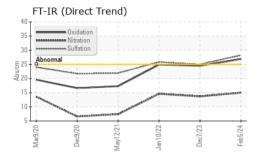
Fluid Condition

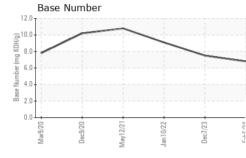
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

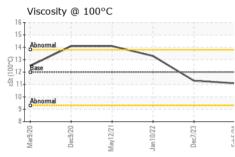
QTS)		Mar2020	Dec2020 May202	1 Jan2022 Dec2023	Feb 2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0091591	PCA0091616	PCA0045375
Sample Date		Client Info		05 Feb 2024	07 Dec 2023	10 Jan 2022
Machine Age	mls	Client Info		117888	111643	102088
Oil Age	mls	Client Info		27621	111643	3409
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	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	>130	42	33	38
Chromium	ppm	ASTM D5185m		2	1	2
Nickel	ppm	ASTM D5185m	>4	0	0	1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	6	16
Lead	ppm	ASTM D5185m	>20	2	2	<1
Copper	ppm	ASTM D5185m	>125	1	1	1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	2	42
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	57	57	22
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	950	910	861	625
Calcium	ppm	ASTM D5185m	1050	1089	992	1415
Phosphorus	ppm	ASTM D5185m	995	960	775	681
Zinc	ppm	ASTM D5185m	1180	1216	1103	836
Sulfur	ppm	ASTM D5185m	2600	3252	2609	2315
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		4	0	3
Potassium	ppm	ASTM D5185m	>20	6	3	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	2	1.4	1.2
Nitration	Abs/cm	*ASTM D7624	>20	15.0	13.7	14.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.2	25.0	25.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.9	24.5	24.9
Base Number (BN)	mg KOH/g	ASTM D2896		6.8	7.5	9.1
40.05) Dov. 1					Cooleana lata a d	D Oh a al la a a la

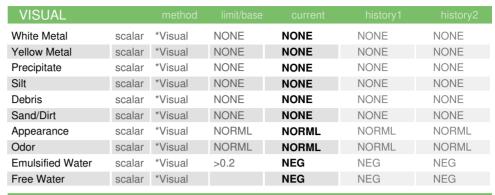


OIL ANALYSIS REPORT



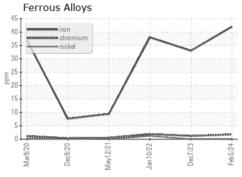


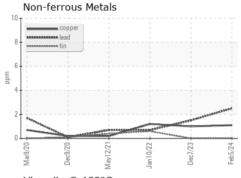


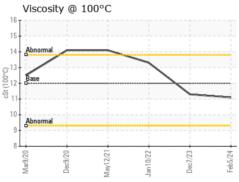


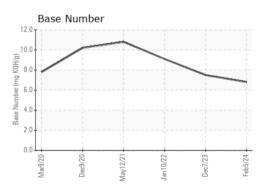
FLUID PROP	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.1	11.3	13.3

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0091591 Lab Number : 06215293 Unique Number : 11088157

Received **Tested** Diagnosed

: 20 Jun 2024 : 21 Jun 2024

: 21 Jun 2024 - Sean Felton

ICSB370 - Alton 4525 North Alby Road Godfrey, IL US 62035

Contact: Chad Ingold c.ingold@illinois-central.com T: (618)466-5400

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)