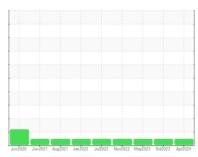


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
T297
Component
Diesel Engine

PETRO CANADA DURON SHP 10W30 (36 hrs)

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.

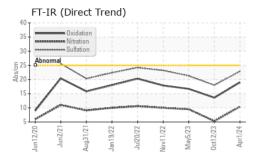
Fluid Condition

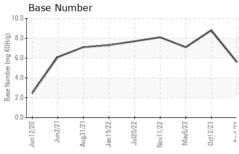
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

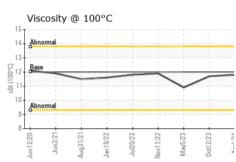
hrs)									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		PCA0121914	PCA0102207	PCA0095620			
Sample Date		Client Info		01 Apr 2024	12 Oct 2023	05 May 2023			
Machine Age	mls	Client Info		226514	201496	175609			
Oil Age	mls	Client Info		175609	201496	24572			
Oil Changed		Client Info		Changed	Not Changd	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATI	ON	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 METALS	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	31	4	22			
Chromium	ppm	ASTM D5185m	>20	0	<1	<1			
Nickel	ppm	ASTM D5185m	>4	0	<1	<1			
Titanium	ppm	ASTM D5185m		0	<1	0			
Silver	ppm	ASTM D5185m	>3	0	0	<1			
Aluminum	ppm	ASTM D5185m		5	2	7			
Lead	ppm	ASTM D5185m	>40	0	<1	0			
Copper	ppm	ASTM D5185m		2	<1	<1			
Tin	ppm	ASTM D5185m	>15	<1	0	2			
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	<1	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m		4	11	7			
Barium	ppm	ASTM D5185m		0	3	0			
Molybdenum	ppm	ASTM D5185m	50	61	62	66			
Manganese	ppm	ASTM D5185m		<1	0	<1			
Magnesium	ppm	ASTM D5185m	950	936	883	993			
Calcium	ppm	ASTM D5185m		1176	1121	1155			
Phosphorus	ppm	ASTM D5185m	995	1045	1001	1050			
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1180 2600	1293 2913	1226 3338	1388 3792			
	ppm								
CONTAMINAN'		method	limit/base		history1	history2			
Silicon	ppm	ASTM D5185m	>25	10	5	8			
Sodium Potassium	ppm	ASTM D5185m	. 20	4	0	6			
	ppm	ASTM D5185m	>20	3					
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	1.1	0.1	0.7			
Nitration	Abs/cm	*ASTM D7624		10.4	5.3	9.5			
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	18.0	21.3			
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2			
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.0	13.6	16.7			
Base Number (BN)	mg KOH/g	ASTM D2896		5.6	8.8	7.1			

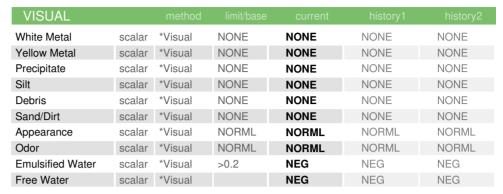


OIL ANALYSIS REPORT



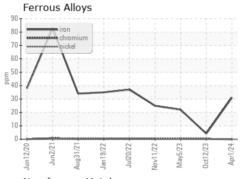


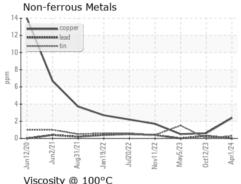


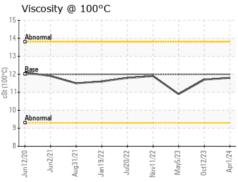


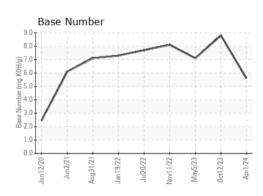
FLUID PROP	EKITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	12.00	11.8	11.7	10.9

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06141077 Unique Number : 10965885

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0121914

Received **Tested** Diagnosed

: 08 Apr 2024 : 09 Apr 2024 : 09 Apr 2024 - Wes Davis

100 INDEPENDENCE BLVD COLUMBIA, SC US 29210

Contact: GEORGE EDWARDS gedwards@nwwhite.com

NW WHITE & CO - COLUMBIA DIVISION

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) T:

F: