

OIL ANALYSIS REPORT

(40241Z) Walgreens - Tractor Machine Id [Walgreens - Tractor] 136A62554

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Valve wear is indicated. All other 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.

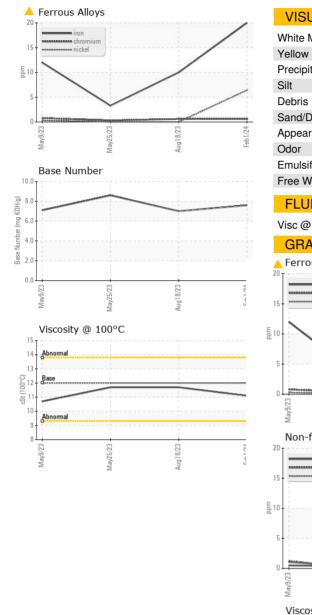
or						
62554						
iAL)					······	
AL)		May202	23 May2023	Aug2023 Fe	b2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0103644	PCA0093632	PCA0093659
Sample Date		Client Info		01 Feb 2024	18 Aug 2023	25 May 2023
Machine Age	mls	Client Info		207094	178896	151507
Oil Age	mls	Client Info		29902	27389	4412
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
		un atta a d			la la tana d	bister 0
		method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	10	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<u> </u>	0	0
Titanium	ppm	ASTM D5185m		5	24	26
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	5	5	<1
Lead	ppm	ASTM D5185m	>40	3	1	0
Copper	ppm	ASTM D5185m	>330	20	<1	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
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	12	18	52
Barium	ppm	ASTM D5185m	-	0	0	0
Molybdenum	ppm	ASTM D5185m		49	38	38
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	805	764	724
Calcium	ppm	ASTM D5185m	1050	1146	1258	1314
Phosphorus	ppm	ASTM D5185m	995	968	970	941
Zinc	ppm	ASTM D5185m	1180	1263	1233	1170
Sulfur	ppm	ASTM D5185m	2600	2980	4017	4068
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	4	4
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	3 12	<1 10	<1 <1
	ppm		-	12		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.2	7.9	5.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	19.2	18.2
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	15.0	13.2
Base Number (BN)	mg KOH/g	ASTM D2896		7.6	7.0	8.6

Sample Rating Trend

WEAR



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history
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	ERTIES	method	limit/base	current	history1	history2
∕isc @ 100°C	cSt	ASTM D445	12.00	11.1	11.7	11.7
GRAPHS						
Ferrous Alloys						
iron						
chromium						
and a local						
- nickel						
	/					
		123	124			
		018/23	eb1/24			
		Aug 18/23	Feb1/24			
May25/23		Aug18/23	Feb1/24			
cZ/G/kew Non-ferrous Meta	als	Aug18/23	Feb1/24			
cz/6/keW Non-ferrous Meta	als	Aug18/23	Feb124			
EUSZIEW Non-ferrous Meta	als	Aug 18/23	Feb1/24			
CZIG/JEW Non-ferrous Meta	als	Aug18/23	Feb1/24			
EZISZIE EZISZIE W Non-ferrous Meta	als	Aug18/23	Feb124			
EZISZIE EZISZIE W Non-ferrous Meta	als	Aug18/23	Feb1/24			
CZIĘCEW Non-ferrous Meta lead tin	als	Aug 18/23	Feb1/24			
COPPER COST	als	Aug18/23	Feb124			
CZIĘCEW Non-ferrous Meta lead tin	als	Aug18/23	Feb1/24			
CZIĘCEW Non-ferrous Meta lead tin	als	Aug 18/23	Feb1/24			
EZURARY Non-ferrous Meta	als	Aug18/23	Feb124			
EZURARY Non-ferrous Meta	als	Aug18/23	Feb1/24			
EZURARY Non-ferrous Meta	als	Aug 18/23	Feb1/24			
COPPEr COSTEM	lls	Aug 18/23	Feb124			
EZIFICIENT COPPER	als					
ECTOREW Non-ferrous Meta	als	823				
EZIPARM Non-ferrous Meta lead tin	als	823	Fab1/24 Fab1/24			
ECTOREW Non-ferrous Meta						
ECOSTINE ECONTRACTOR META COOPPER Isea tin ECONTRACTOR ECOSTINE Viscosity @ 100°C		823	Feb1/24	Base Number	ſ	
EZISCIEVEW Non-ferrous Metal lead tin Viscosity @ 100°0		823	Eq.104	Base Number		
EZISCIENT Non-ferrous Meta lead tin Viscosity @ 100°0		823	-0.e 0.8	Base Number		
EZIFICIENT EZIFICIENT Non-ferrous Meta Lead tin EZIFICIENT EZIFICIENT Viscosity @ 100°C		823	-0.e 0.8	Base Number	ſ	
EZIFICIENT EZIFICIENT Non-ferrous Meta Lead tin EZIFICIENT EZIFICIENT Viscosity @ 100°C		823	-0.e 0.8	Base Number		
ECOPULAR Non-ferrous Meta lead tin ECOPULAR Viscosity @ 100°C		823	-0.e 0.8	Base Number	r	
ECOPULAR Non-ferrous Meta lead tin ECOPULAR Viscosity @ 100°C		823	-0.e 0.8	Base Number		
ECOPULAR Non-ferrous Meta lead tin ECOPULAR Viscosity @ 100°C		823	-0.e 0.8	Base Number		
EZIGHEW Non-ferrous Meta Lead tin EZIGHEW Viscosity @ 100°C		823	-0.e 0.8	Base Number		
Non-ferrous Meta		823	-0.e 0.8	Base Number		
EZIE/New Non-ferrous Meta Lead Copper Lead Copper Viscosity @ 100° Abnomal		823	9.0 8.0 (0)H(0) f (0) 9.0 8.0 (0)H(0) f (0) 9.0 8.0 (0)H(0) f (0) 9.0 8.0 (0)H(0) f (0) 9.0 (0) 9.0 (0) 9.0 (0) 8.0 (0) 9.0 (0) 8.0 (0) 9.0 (0) 8.0 (0) 9.0 (0) 8.0 (0) 9.0 (0) (0) 9.0 (0) 9.0 (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Base Number		
EZIEGRAM Non-ferrous Meta Lead EZIEGRAM Viscosity @ 100°0		823	-0.e 0.8	Base Number		
Non-ferrous Meta		Aug 18/23	9.0 10.0 1	Base Number		
EZIGNEW Non-ferrous Meta Lead University @ 100°0 Abnomal Abnomal		Aug 18/23	9.0 10.0 1			
EZIEVERM Non-ferrous Meta lead tin CZIEVERM Viscosity @ 100°0 Abnormal		823	9.0 8.0 (0/HOX bu) 5.0 4.0 0,000 000 1.0 1.0	Base Number	May25/23	



 Unique Number
 : 10862615
 Diagnosed
 : 07 Feb 2024 - Don Baldridge
 US 18014

 Certificate L2367
 Test Package
 : FLEET
 Contact: Stephen Mackes

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 smackes@transervice.com

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 T: (610)837-8103

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
 F: (610)837-8105

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

Received

Tested

: 05 Feb 2024

:06 Feb 2024

Laboratory

Sample No. : PCA0103644

Lab Number : 06080524

Transervice - Shop 1365 - Berkeley-Nazareth

6813 Chrisphalt Drive

Bath Borough, PA