WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

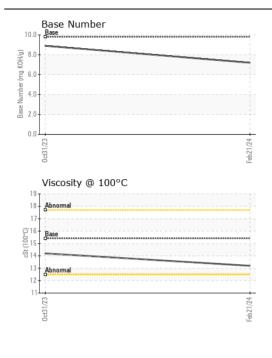


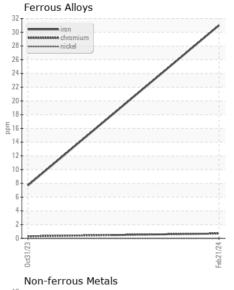
Area (BD56781)
Machine Id 714050
Component _

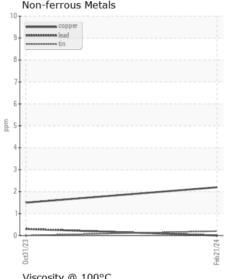
Component Diesel Engine

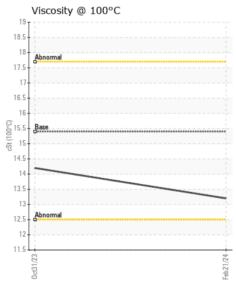
PETRO CANADA DURON SHP 15W40 (--- GAL)

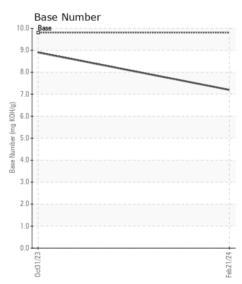
PETRO CANADA DURON SITP	134440 ((JAL)			.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0101058	GFL0092786	
Resample at the next service interval to monitor.	Sample Date		Client Info		21 Feb 2024	31 Oct 2023	
	Machine Age	hrs	Client Info		521	521	
	Oil Age	hrs	Client Info		521	521	
	Filter Age	hrs	Client Info		0	521	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				NORMAL	NORMAL	
WEAD			AOTM DE LOS				
WEAR Metal levels are typical for a new component breaking in.	Iron	ppm	ASTM D5185m		31	8	
	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m		4	2	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		2	2	
	Tin	ppm	ASTM D5185m	>15	<1	0	
	Vanadium White Metal	ppm	*Visual	NONE	0 NONE	0 NONE	
		scalar		NONE			
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	6	
	Potassium	ppm	ASTM D5185m		4	2	
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>6	0.5	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	9.4	4.8	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	17.3	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
ELUID CONDITION	Cadium		ACTM DE10Em		6	0	
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	0	6	12	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	7	
	Molybdenum	ppm	ASTM D5185m		65	64	
	Manganese	ppm	ASTM D5185m		1	<1	
	Magnesium	ppm	ASTM D5185m		878	843	
	Calcium	ppm	ASTM D5185m		1041	1001	
	Phosphorus	ppm	ASTM D5185m		946	956	
	Zinc	ppm	ASTM D5185m		1114	1089	
	Sulfur	ppm	ASTM D5185m		2653	3483	
	Oxidation	Abs/.1mm	*ASTM D7414		17.1	13.0	
	Base Number (BN)		ASTM D2896		7.2	8.9	
	Visc @ 100°C	cSt	ASTM D445		13.2	14.2	
	<u> </u>	-					













Laboratory Sample No.

: GFL0101058 Lab Number : 06099822 Unique Number : 10898052 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Feb 2024 : 27 Feb 2024 **Tested**

Diagnosed : 27 Feb 2024 - Wes Davis

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)

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