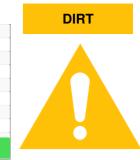


OIL ANALYSIS REPORT

Sample Rating Trend





Area Scoop 6 Yard LHD6102 Component

Front Right Wheel Hub Fluid

PETRO CANADA TRAXON 80W90 (4 LTR)

		-		may2023	14042023		
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PC0075095	PC0066826	
We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.	Sample Date		Client Info		02 Nov 2023	11 May 2023	
	Machine Age	hrs	Client Info		3868	2662	
	Oil Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	NORMAL	
Wear Aluminum ppm levels are noted. All other component wear rates are normal.	WEAR METAL	.S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185(m)	>500	362	140	
•	Chromium	ppm	ASTM D5185(m)	>8	2	<1	
Contamination	Nickel	ppm	ASTM D5185(m)	>5	1	<1	
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Titanium	ppm	ASTM D5185(m)		0	0	
	Silver	ppm	ASTM D5185(m)		<1	0	
Fluid Condition Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.	Aluminum	ppm	ASTM D5185(m)	>5	7	1	
	Lead	ppm	ASTM D5185(m)		<1	<1	
	Copper	ppm	ASTM D5185(m)		35	27	
	Tin	ppm	ASTM D5185(m)		<1	<1	
	Antimony	ppm	ASTM D5185(m)	>5	0	0	
	Vanadium	ppm	ASTM D5185(m)	-	0	0	
	Beryllium	ppm	ASTM D5185(m)		0	0	
	Cadmium	ppm	ASTM D5185(m)		0	0	
	ADDITIVES	ppin	method	limit/base	-	history1	history2
						35	
	Boron	ppm	ASTM D5185(m)	243	4		
	Barium	ppm	ASTM D5185(m)	1	<1	0	
	Molybdenum	ppm	ASTM D5185(m)		0	<1	
	Manganese	ppm	ASTM D5185(m)	0	3	2	
	Magnesium	ppm	ASTM D5185(m)		4	3	
	Calcium	ppm	ASTM D5185(m)		159	34	
	Phosphorus	ppm	ASTM D5185(m)	987	572	873	
	Zinc	ppm	ASTM D5185(m)		82	25	
	Sulfur	ppm	ASTM D5185(m)	21530	17541	21042	
	Lithium	ppm	ASTM D5185(m)		<1	<1	
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	<mark>/</mark> 29	5	
	Sodium	ppm	ASTM D5185(m)		3	<1	
	Potassium	ppm	ASTM D5185(m)	>20	2	<1	
	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
	Precipitate	scalar	Visual*	NONE	NONE	NONE	
	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	
	Free Water		Visual*		NEG	NEG	
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Contamination

Fluid Condition

Submitted By: Luc Belanger



OIL ANALYSIS REPORT

