WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL NORMAL



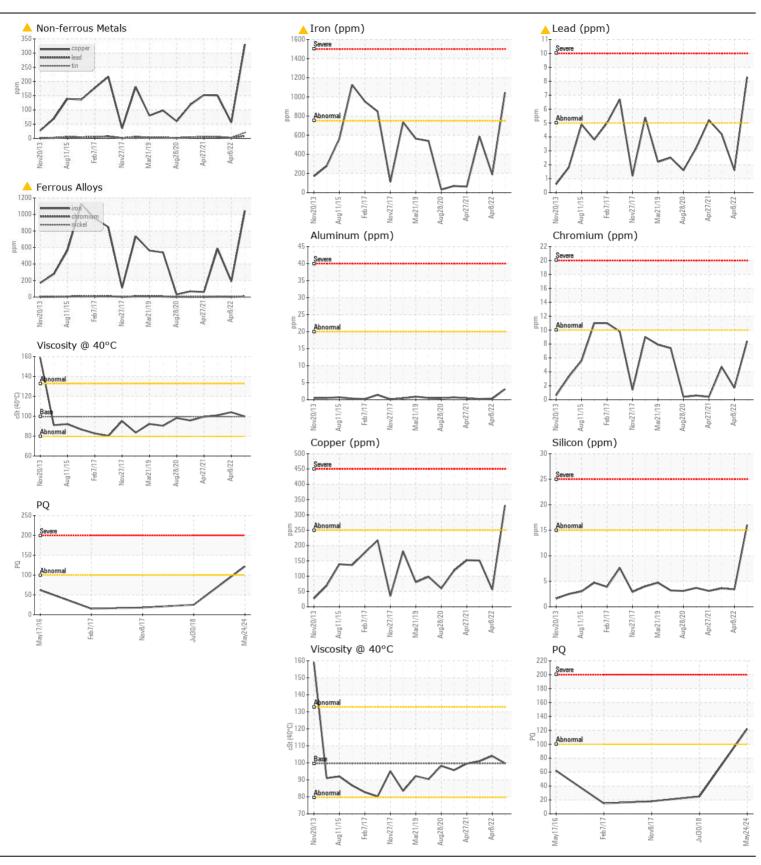
Machine Id 031629-793 Component Swing Drive

PETRO CANADA TRAXON 75W90 SYNTHETIC (10 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We	Sample Number		Client Info		LH0289502	LH0227406	LH
recommend an early resample to monitor this condition.	Sample Date		Client Info		24 May 2024	08 Apr 2022	09 Jan 2022
	Machine Age	hrs	Client Info		16113	13549	12577
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		N/A	None	None
	Sample Status				ABNORMAL	NORMAL	MARGINAL
WEAR	PQ		ASTM D8184*		122		
Iron and lead ppm levels are abnormal. Tin ppm levels are marginal.	Iron	ppm	ASTM D5185(m)	>750	<u> </u>	188	586
Bearing wear is indicated. The low ferrous density (PQ) index indicates	Chromium	ppm	ASTM D5185(m)	>10	8	2	5
the wear metal levels are due to corrosion.	Nickel	ppm	ASTM D5185(m)	>5	2	<1	2
	Titanium	ppm	ASTM D5185(m)		4	0	0
	Silver	ppm	ASTM D5185(m)		0	0	<1
	Aluminum	ppm	ASTM D5185(m)	>20	3	<1	<1
	Lead	ppm	ASTM D5185(m)	>5	<u> 8</u>	2	4
	Copper	ppm	ASTM D5185(m)	>250	331	56	151
	Tin	ppm	ASTM D5185(m)	>10	<u> </u>	3	6
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	White Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>15	16	3	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185(m)	>20	<1	1	1
, , , , , , , , , , , , , , , , , , ,	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
	Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
	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	<u>.5%</u>
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		<1	<1	1
The oil is no longer serviceable as a result of the abnormal and/or	Boron	ppm	ASTM D5185(m)	328	245	309	221

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		<1	<1	1				
Boron	ppm	ASTM D5185(m)	328	245	309	221				
Barium	ppm	ASTM D5185(m)	1	2	0	0				
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1				
Manganese	ppm	ASTM D5185(m)		7	1	4				
Magnesium	ppm	ASTM D5185(m)	1	4	2	<1				
Calcium	ppm	ASTM D5185(m)	7	20	11	10				
Phosphorus	ppm	ASTM D5185(m)	1145	1270	1258	1327				
Zinc	ppm	ASTM D5185(m)	3	33	15	26				
Sulfur	ppm	ASTM D5185(m)	17909	21398	21160	22027				
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	99.7	104	101				
	Submitted By: Rick Cule									





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02638618

: LH0289502 Unique Number : 5787780

Received **Tested** Diagnosed

: 29 May 2024 : 30 May 2024

: 31 May 2024 - Kevin Marson

Test Package: MOB 1 (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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