



[[02638616]] 031629-793 - Left Final Drive

Sample No: LH0289500

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Information sur l'échantillon

Numéro d'échant.	LH0289500	LH0227402	LH	LH
Date d'échant.	24 May 2024	08 Apr 2022	09 Jan 2022	10 May 2021
Heures de la Machine	16113	13549	12577	12126
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Not Changd	Not Changd
Statut de l'échant.	SEVERE	ABNORMAL	ABNORMAL	NORMAL

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État d'huile

Visc 40°C	cSt	188	92.3	94.5	101
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Contamination

Eau	%	NEG	0.548	NEG	NEG
Silicium	ppm	932	613	307	96
Sodium	ppm	57	38	22	9
Potassium	ppm	61	44	22	7



Métaux d'usure

PQ		1333	508	152	120
Fer	ppm	5774	2018	1911	581
Cuivre	ppm	74	36	28	8
Plomb	ppm	10	14	6	1
Étain	ppm	2	2	1	<1
Aluminium	ppm	225	168	81	26
Chrome	ppm	94	33	35	10
Molybdène	ppm	6	2	3	<1
Nickel	ppm	13	4	5	1
Titane	ppm	17	12	6	2
Argent	ppm	0	<1	<1	<1
Manganèse	ppm	97	42	31	12
Vanadium	ppm	1	1	<1	<1



Additifs

Calcium	ppm	1170	1201	485	185
Magnésium	ppm	144	115	52	19
Zinc	ppm	53	43	30	12
Phosphore	ppm	1105	1237	1290	1219
Baryum	ppm	6	1	0	0
Bore	ppm	266	243	199	283

Diagnostic

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Chromium and iron ppm levels are severe. PQ levels are severe. Nickel ppm levels are abnormal. Aluminum ppm levels are noted. Titanium ppm levels are marginal. Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. Viscosity of sample indicates oil is within SAE 50 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LAKWHI
Unique No: 5787778
Signed: Kevin Marson
Report Date: 31 May 2024



Graphs

