E **CONSTRUCTION EQUIPMENT**

LIEBHERR HS895 188244 - Rear Left Slewing Gearbox

Sample No: LH0289536

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

Sam	ple Infor	mation			Se
Sample Number		LH0289536	LH0256987	 	
Sample Date		10 May 2024	05 Sep 2023	 	HIGGS & HIGGS
Machine Hours		21278	19868	 	RR # 4
Oil Hours		0	0	 	ST THOMAS, ON
Oil Changed		Changed	N/A	 	CA N5P 3S8
Sample Status		ABNORMAL	NORMAL	 	Contact: Bernie Higgs
	ondition				T: (519)631-4095 F: (519)631-2745
Visc @ 40°C	cSt	0 84.4	0 102	 	
					Diagnosis
Cont	t <mark>aminat</mark> io	on			The oil change at the
Water	%	NEG	NEG	 	sampling has been no
Silicon	ppm	○ <1	02	 	the source of the lubr
Sodium	ppm	0 <1	◯ <1	 	utilized for top-up/fill.
Potassium	ppm	0 <1	0	 	an early resample to
õ					
Wee	ar Metals		0 14	 	abnormal. There is no any contamination in levels indicate the ad
Wee	ppm	0 21	0 14		abnormal. There is no any contamination in levels indicate the ad different brand, or typ
Wee Iron Copper	ppm ppm	○ 21 70	0 39	 	abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Wec Iron Copper Lead	ppm ppm ppm	 21 70 1 	○ 39 ○ <1	 	abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin	ppm ppm ppm ppm	 21 70 1 2 	 ○ 39 ○ <1 ○ 2 	 	abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum	ppm ppm ppm ppm ppm	 ○ 21 ○ 70 ○ 1 ○ 2 <1 	 ○ 39 ○ <1 ○ 2 ○ 	 	abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium	ppm ppm ppm ppm ppm ppm	 21 70 1 2 	 ○ 39 ○ <1 ○ 2 	 	abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium Molybdenum	ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 	 ○ 39 ○ <1 ○ 2 ○ ○ 0 ○ 0 		abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel	ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 0 <1 	 ○ 39 ○ <1 ○ 2 ○ ○ 0 ○ 0 ○ 0 		abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium	ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 	 39 <1 2 0 0 0 0 <1 		abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver	ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 0 	○ 39 ○ <1		abnormal. There is no any contamination in levels indicate the ad different brand, or typ is no longer serviceat
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 0 <1 0 0 	○ 39 ○ <1	Image: Constraint of the sector of	abnormal. There is no any contamination in levels indicate the add different brand, or typ is no longer serviceat
Wee Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 0 <1 0 0 0 0 0 0 0 0 	○ 39 ○ <1	Image: Section of the sectio	condition.Copper ppm abnormal. There is no any contamination in levels indicate the add different brand, or typ is no longer serviceab the abnormal and/or s
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 0 <1 0 0 0 0 0 0 0 0 	 39 <1 2 0 0 0 <1 0 <1 0 	Image: Section of the sectio	abnormal. There is no any contamination in levels indicate the add different brand, or typ is no longer serviceab
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 0 <1 <1 0 0 0 0 0 0 0 37 	 39 <1 2 0 0 0 <1 0 <1 0 0 0 0 0 0 0 20 	Image: Section of the sectio	abnormal. There is no any contamination in levels indicate the add different brand, or typ is no longer serviceab
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	 21 70 1 2 <1 <1 <1 <0 <1 <0 0 0 0 0 0 0 0 0 	 39 <1 2 0 0 0 <1 0 <1 0 	Image: Section of the sectio	abnormal. There is no any contamination in levels indicate the add different brand, or typ is no longer serviceat



of Confirm being recommend itor this els are ication of il. Additive n of a oil. The oil s a result of re wear.

Depot: HIGSTT Unique No: 5801759 Signed: Kevin Marson Report Date: 27 Jun 2024 Contact/Location: Bernie Higgs - HIGSTT

83

0 🔘

0

0 295

ppm

ppm

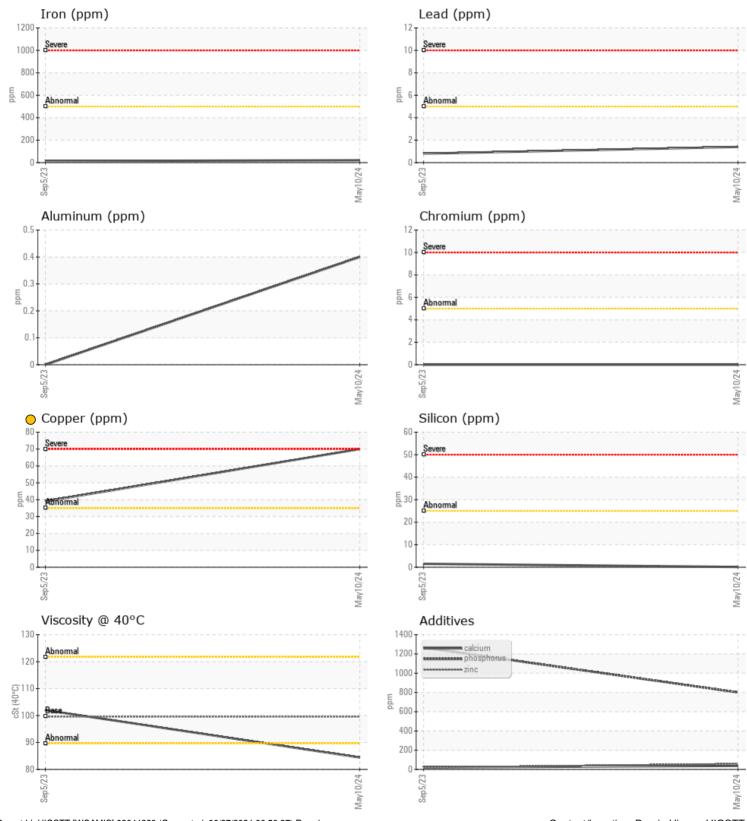
Barium

Boron





Graphs



Report Id: HIGSTT [WCAMIS] 02644220 (Generated: 06/27/2024 06:50:37) Rev: 1