

NORMAL WEAR CONTAMINATION NORMAL FLUID CONDITION NORMAL



LIEBHERR PR736LGP 018793-1155

Splitter Box

SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

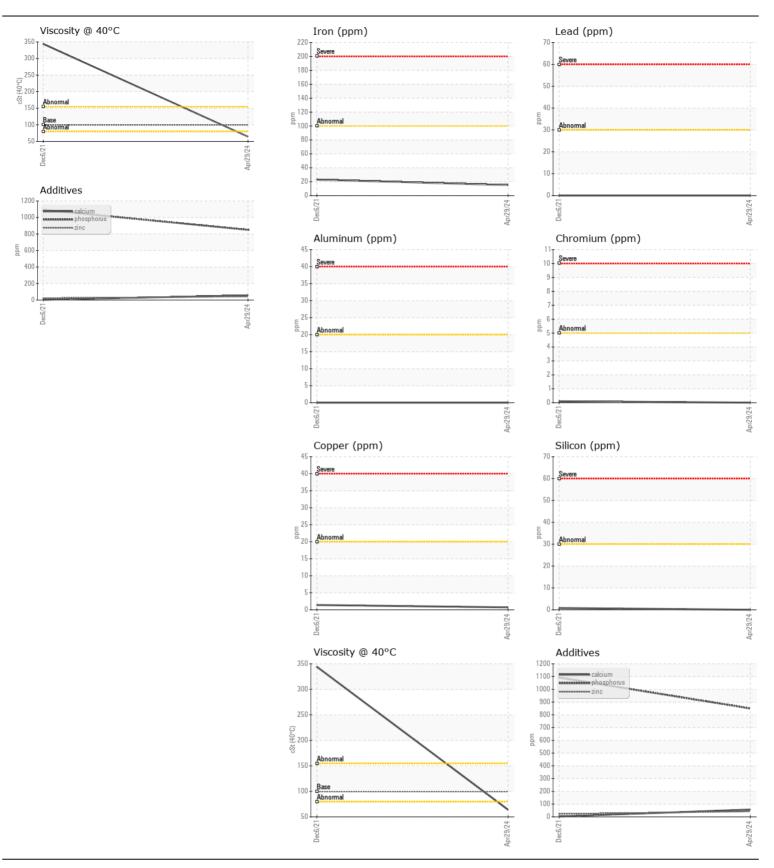
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0199307	LH0199291	
Sample Date		Client Info		29 Apr 2024	06 Dec 2021	
Machine Age	hrs	Client Info		3004	1074	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		None	N/A	
Sample Status				NORMAL	NORMAL	
lron			. 100	45	00	
Iron Chromium	ppm	ASTM D5185(m)	>100 >5	15 0	23 <1	
Nickel	ppm	ASTM D5185(m)		0	<1	
Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>5	0	0	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	()	>20	0		
Lead	ppm	ASTM D5185(m)	>20 >30	0	0	
Copper	ppm	ASTM D5185(m)	>20	-	1	
Tin	ppm	ASTM D5185(m)		<1 0	0	
	ppm	ASTM D5185(m)	>10	0	-	
Vanadium White Metal	ppm scalar	ASTM D5185(m) Visual*	NONE	NONE	0 NONE	
					-	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Silicon						
Childon	ppm	ASTM D5185(m)	>30	0	<1	
Potassium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>30 >20	0 <1	<1 <1	
		()		-		
Potassium		ASTM D5185(m)	>20	<1	<1	
Potassium Water	ppm	ASTM D5185(m) WC Method	>20 >0.1	<1 NEG	<1 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185(m) WC Method Visual*	>20 >0.1 NONE	<1 NEG NONE	<1 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185(m) WC Method Visual* Visual*	>20 >0.1 NONE NONE	<1 NEG NONE NONE	<1 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual*	>20 >0.1 NONE NONE NONE	<1 NEG NONE NONE NONE	<1 NEG NONE NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual*	>20 >0.1 NONE NONE NONE	<1 NEG NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual*	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 >25 150	<1 NEG NONE NONE NORML NORML NEG 1 122	<1 NEG NONE NONE NORML NORML NEG <1 3	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1 >25 150 5	<1 NEG NONE NONE NORML NORML NEG 1 122 0	<1 NEG NONE NONE NORML NORML NEG <1 3 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1 >25 150 5	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 3 <1 0	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 >25 150 5 0	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 0 5	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1 >25 150 5 0	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0 0 0	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 3 <1 0 5 2	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1 >25 150 5 0 20	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0 0 2 1 122 57	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 3 <1 0 5 5 2 3	
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 >25 150 5 0 0 20 20 1200	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0 0 2 1 57 850	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 3 <1 0 5 2 2 3 1092	
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 >25 150 5 0 20 20 1200 25	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0 0 0 2 1 57 850 42	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 0 5 2 3 3 1092 23	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 >25 150 5 0 0 20 20 1200	<1 NEG NONE NONE NORML NORML NEG 1 122 0 0 0 0 0 2 1 57 850	<1 NEG NONE NONE NORML NORML NEG <1 3 <1 3 <1 0 5 2 2 3 1092	



COUNTY OF ST. PAUL NO. 19 Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. Received 5015 - 49 AVENUE : LH0199307 : 14 May 2024 Lab Number : 02635353 Tested ST. PAUL, AB : 14 May 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5776506 Diagnosed : 14 May 2024 - Wes Davis CA TOA 3A4 Test Package : MOBCE Contact: DD SKAWRONSKI-MUNRO To discuss this sample report, contact Customer Service at 1-800-268-2131. DSKAWRONSKI@COUNTY.STPAUL.AB.CA T: (780)645-3006 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. F: (780)645-1800