

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



LIEBHERR LH50M 129938-1216

Component Transmission

PETRO CANADA 10W30 (--- GAL)

WEAR	 	
All component wear rates are normal.		

Resample at the next service interval to monitor.

CONTAMINATION

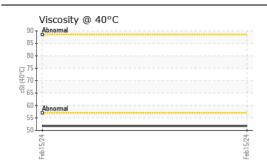
There is no indication of any contamination in the fluid.

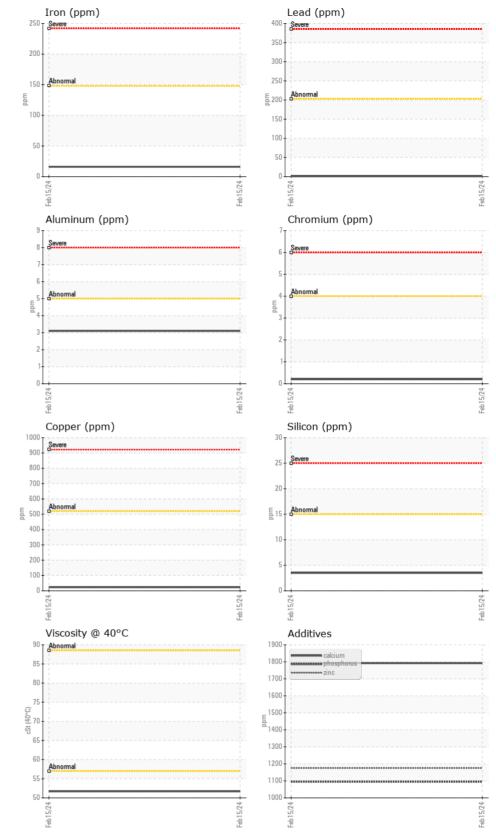
FLUID		

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

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TestUOMMethodLimit/hnCurrentHistory1History2Sample NumberClient Info15 Feb 2024Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter AgehrsClient InfoChangedFilter AgehrsClient InfoN/ASample StatusVisuality>-14816IronppmASTMD5185(m)>-440NickelppmASTMD5185(m)>-440NickelppmASTMD5185(m)>-203SilverppmASTMD5185(m)>-2023AluminumppmASTMD5185(m)>-7<1VanadiumppmASTMD5185(m)>-7<1Yellow MetalscalarVisualiNONENONESiliconppmASTMD5185(m)>-1NORYellow MetalscalarVisualiNONENONESiliconppmASTMD5185(m)>-1NORSiliconppmASTMD5185(m)>-1NOR	<u>-)</u>				~		
Sample DateClient InfoI5 Feb 2024Machine AgehrsClient Info3030Gil AgehrsClient Info0Filter AgehrsClient InfoChangedGil ChangedClient InfoN/AGil ChangedClient InfoN/AFilter ChangedClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185(m)>14816NickelppmASTM D5185(m)>40NickelppmASTM D5185(m)>40SilverppmASTM D5185(m)>2033AluminumppmASTM D5185(m)>20321VanadiumppmASTM D5185(m)>7<1VanadiumppmASTM D5185(m)>7<1ValadiumppmASTM D5185(m)>7<1ValadiumppmASTM D5185(m)>7<1ValadiumppmASTM D5185(m)>1<1ValadiumppmASTM D5185(m)>1<1ValadiumppmASTM D5185(m)>1<1	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgehrsClient Info3030Oil AgehrsClient Info0Filter AgehrsClient InfoN/AOil ChangedClient InfoN/AFilter ChangedQClient InfoN/AFilter ChangedQClient InfoN/ASample StatusNORMALIronppmASTM DS185(m)>4416NickelppmASTM DS185(m)>440SilverppmASTM DS185(m)>503AluminumppmASTM DS185(m)>503VanadiumppmASTM DS185(m)>503VanadiumppmASTM DS185(m)>5023VanadiumppmASTM DS185(m)>5023VanadiumppmASTM DS185(m)>5023VanadiumppmASTM DS185(m)>502VanadiumppmASTM DS185(m)>502VanadiumppmASTM DS185(m)>502VanadiumppmASTM DS185(m)>502SiliconppmASTM DS185(m)>201Solicon </th <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>LH0284363</th> <th></th> <th></th>	Sample Number		Client Info		LH0284363		
Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoN/AFilter Changed0Client InfoN/ASample StatusNORMALIronppmASTM05185(m)>14816ChromiumppmASTM05185(m)>40NickelppmASTM05185(m)>40SilverppmASTM05185(m)>53AluminumppmASTM05185(m)>52023LeadppmASTM05185(m)>52023CopperppmASTM05185(m)>7<1VanaduimppmASTM05185(m)>7<1ValdoumppmASTM05185(m)>154SiliconppmASTM05185(m)>154SiliconppmASTM05185(m)>154SiliconppmASTM05185(m)>154SiliconppmASTM05185(m)>10NONESiliconppmASTM05185(m)>154SiliconppmASTM05185(m)>10NORESiliconp	Sample Date		Client Info		15 Feb 2024		
Oil AgehrsClient Info0Filter AgehrsClient InfoAChangedOil ChangedClient InfoN/AFilter ChangedQClient InfoN/ASample StatusN/AIronppmASTMD5185(m)>14816ChromiumppmASTMD5185(m)>44QNickelppmASTMD5185(m)>440SilverppmASTMD5185(m)>5533AluminumppmASTMD5185(m)>52023LeadppmASTMD5185(m)>7<1VanadiumppmASTMD5185(m)>7<1VanduimppmASTMD5185(m)>15<Valder MetalscalarVisual*NONESiliconppmASTMD5185(m)>15<1SiliconppmASTMD5185(m)>15<1SiliconppmASTMD5185(m)>15<1SiliconppmASTMD5185(m)>15<1SiliconppmASTMD5185(m)>15<1SiliconppmASTMD5185(m)>10NORE	Machine Age	hrs	Client Info		3030		
Oil Changed Filter ChangedClient InfoNaged	Oil Age	hrs	Client Info		0		
Filter Charged Sample Status Client Info NA Iron ppm ASTM D5185(m) >14.8 16 Chromium ppm ASTM D5185(m) >4 0 Nickel ppm ASTM D5185(m) >4 0 Nickel ppm ASTM D5185(m) >4 0 Silver ppm ASTM D5185(m) >5 3 Aluminum ppm ASTM D5185(m) >520 23 Copper ppm ASTM D5185(m) >7 <1 Vanadium ppm ASTM D5185(m) >7 <1 Vanadium ppm ASTM D5185(m) >7 <1	Filter Age	hrs	Client Info		0		
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Copper ppm ASTM D5185(m) >520 23 Tin ppm ASTM D5185(m) >7 <1 Vanadium ppm ASTM D5185(m) >7 <1 White Metal scalar Visual* NONE NONE Yellow Metal scalar Visual* NONE NONE Silicon ppm ASTM D5185(m) >15 4 Potassium ppm ASTM D5185(m) >20 2 Water WC Method >0.1 NEG Sand/Dirt scalar Visual* NONE NORML Appearance scalar Visual* NORML NORML Godr scalar Visual* NORML NORML Borium			· /				
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Manganese ppm ASTM D5185(m) 8 Magnesium ppm ASTM D5185(m) 680 Calcium ppm ASTM D5185(m) 1792 Phosphorus ppm ASTM D5185(m) 1095 Zinc ppm ASTM D5185(m) 1175 Sulfur ppm ASTM D5185(m) 5085	Emulsified Water Sodium Boron	scalar ppm	Visual* ASTM D5185(m)		NORML NEG 19		
Magnesium ppm ASTM D5185(m) 680 Calcium ppm ASTM D5185(m) 1792 Phosphorus ppm ASTM D5185(m) 1095 Zinc ppm ASTM D5185(m) 1175 Sulfur ppm ASTM D5185(m) 5085	Emulsified Water Sodium Boron	scalar ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1		
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Phosphorus ppm ASTM D5185(m) 1095 Zinc ppm ASTM D5185(m) 1175 Sulfur ppm ASTM D5185(m) 5085	Emulsified Water Sodium Boron Barium Molybdenum	scalar ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41		
Zinc ppm ASTM D5185(m) 1175 Sulfur ppm ASTM D5185(m) 5085	Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar ppm ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41 8		
Sulfur ppm ASTM D5185(m) 5085	Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar ppm ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41 8 680		
	Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar ppm ppm ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41 8 680 1792		
Visc @ 40°C cSt ASTM D7279(m) 51.7	Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar ppm ppm ppm ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41 8 680 1792 1095		
	Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	scalar ppm ppm ppm ppm ppm ppm ppm ppm	Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		NORML NEG 19 24 <1 41 8 680 1792 1095 1175		





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 METAUX 139 INC. CALA Sample No. Received : 20 Feb 2024 86 RTE MARIE-VICTORIN : LH0284363 Lab Number : 02616716 Tested : 20 Feb 2024 PIERREVILLE, QC ISO 17025:2017 Accredited Laboratory Diagnosed Unique Number : 5733826 : 20 Feb 2024 - Kevin Marson CA JOG 1J0 Test Package : MOB 1 Contact: Service Manager 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.