

NORMAL WEAR CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **DAVE ASHIE** Component Diesel Engine SHELL 15W40 (--- GAL)

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Resample at the next service interval to monitor.

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All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

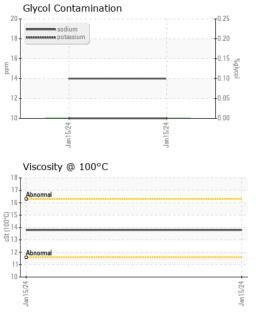
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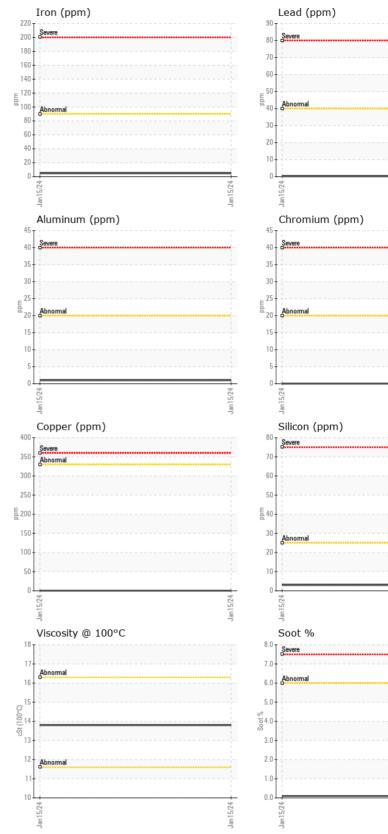
FLUID CONDITION

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

TestUOMMethodLimitAbnCurrentHistory1History2Sample NumberClient InfoWC0553770Sample DateClient Info15 Jan 2024Machine AgehrsClient Info0Dil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusVIOS185(m)>905IronppmASTM 05185(m)>200NickelppmASTM 05185(m)>2c1NickelppmASTM 05185(m)>20SilverppmASTM 05185(m)>20AluminumppmASTM 05185(m)>20LeadppmASTM 05185(m)>20SiliconppmASTM 05185(m)>23SiliconppmASTM 05185(m)>23SultanppmASTM 05185(m)>23SiliconppmASTM 05185(m)>23SultanppmASTM 05185(m)>21SultanppmASTM 051							
Sample DateClient InfoI5 Jan 2024Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoNORMALSample StatusClient InfoNORMALIronppmASTMD5185(m)>05NickelppmASTMD5185(m)>20NickelppmASTMD5185(m)>20AluminumppmASTMD5185(m)>20AluminumppmASTMD5185(m)>201CopperppmASTMD5185(m)>30<1SiliconppmASTMD5185(m)>23SiliconppmASTMD5185(m)>23SulfationppmASTMD5185(m)>21SiliconppmASTMD5185(m)>23SulfationppmASTMD5185(m)>21SulfationASASTM D5185(m)>21Soot %%ASTM D5185(m)>21 <td< th=""><th>Test</th><th>UOM</th><th>Method</th><th>Limit/Abn</th><th>Current</th><th>History1</th><th>History2</th></td<>	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185(m) >0 5 Chromium ppm ASTM D5185(m) >2 1 Nickel ppm ASTM D5185(m) >2 0 Silver ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >2 0 Vanadium ppm ASTM D5185(m) >20 1 Silicon ppm ASTM D5185(m) >10 Vanadium ppm ASTM D5185(m) >2 3 Silicon ppm ASTM D5185(m) >20 14	Sample Number		Client Info		WC0553770		
Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoNORIMALIronppmASTM D5185(m)>905ChromiumppmASTM D5185(m)>200NickelppmASTM D5185(m)>2c1SilverppmASTM D5185(m)>20AluminumppmASTM D5185(m)>20AluminumppmASTM D5185(m)>201QopperppmASTM D5185(m)>40<1VanadiumppmASTM D5185(m)>10SiliconppmASTM D5185(m)>253SiliconppmASTM D5185(m)>2014VanadiumppmASTM D5185(m)>2014SuiferionAbs/rmASTM D5185(m)>2010SuiferionAbs/rmASTM D7824'>207.0SuiferionAbs/rmASTM D7824'>207.0SuiferionAbs/rmASTM D7824'>207.0 <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>15 Jan 2024</th> <th></th> <th></th>	Sample Date		Client Info		15 Jan 2024		
Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185(m) >90 5 Chromium ppm ASTM D5185(m) >20 0 Nickel ppm ASTM D5185(m) >2 q<1 Silver ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >2 0 Lead ppm ASTM D5185(m) >20 1 Vanadium ppm ASTM D5185(m) >20 1 Silicon ppm ASTM D5185(m) >15 0 Sulfation ASTM D5185(m) >20 14	Machine Age	hrs	Client Info		0		
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Filter Changed Sample Status Client Info Changed NORMAL Iron ppm ASTM D5185(m) >90 5 Iron ppm ASTM D5185(m) >20 0 Nickel ppm ASTM D5185(m) >2 <1 Nickel ppm ASTM D5185(m) >2 0 Silver ppm ASTM D5185(m) >2 0 Aluminum ppm ASTM D5185(m) >20 1 Lead ppm ASTM D5185(m) >40 <1 Vanadium ppm ASTM D5185(m) >15 0 Silicon ppm ASTM D5185(m) >20 14 Silicon ppm ASTM D5185(m) >20 14 Fuel WC Method >0.2 NEG	Filter Age	hrs	Client Info		0		
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Lead ppm ASTM D5185(m) >40 <1			. ,		-		
Copper ppm ASTM D5185(m) >330 <1		ppm					
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Potassium ppm ASTM D5185(m) >20 14 Fuel WC Method >3.0 <1.0 Water WC Method >0.2 NEG Glycol % ASTM D7922* 0.0 Soot % % ASTM D7844* >6 0.1 Nitration Abs/cm ASTM D7624* >20 7.0 Sulfation Abs/.1mm ASTM D7615* >30 21.1 Sodium ppm ASTM D5185(m) >10 Boron ppm ASTM D5185(m) 0 <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185(m)</th> <th></th> <th>0</th> <th></th> <th></th>	Vanadium	ppm	ASTM D5185(m)		0		
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Fuel WC Method >3.0 <1.0					-		
Water WC Method >0.2 NEG Glycol % ASTM D7922* 0.0 Soot % % ASTM D7844* >6 0.1 Nitration Abs/cm ASTM D7844* >6 0.1 Sulfation Abs/cm ASTM D764* >20 7.0 Sulfation Abs/.1mm ASTM D764* >20 7.0 Sulfation Abs/.1mm ASTM D764* >20 7.0 Emulsified Water scalar Visual* >0.2 NEG Sodium ppm ASTM D5185(m) >10 Boron ppm ASTM D5185(m) 137 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(pp	· · /				
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Molybdenum ppm ASTM D5185(m) 2 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 18	Boron	ppm	ASTM D5185(m)		137		
Manganese ppm ASTM D5185(m) O Magnesium ppm ASTM D5185(m) 18	Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 18	Molybdenum	ppm	ASTM D5185(m)		2		
	Manganese	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)		18		
Calcium ppm ASIM D5185(m) 2181	Calcium	ppm	ASTM D5185(m)		2181		
Phosphorus ppm ASTM D5185(m) 935	Phosphorus	ppm	ASTM D5185(m)		935		
Zinc ppm ASTM D5185(m) 1106	Zinc	ppm	ASTM D5185(m)		1106		
Sulfur ppm ASTM D5185(m) 3016	Sulfur	ppm	ASTM D5185(m)		3016		
Oxidation Abs/.1mm ASTM D7414* >25 17.0	Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0		
Visc @ 100°C cSt ASTM D7279(m) 13.8	Visc @ 100°C	cSt	ASTM D7279(m)		13.8		

Contact/Location: Service Manager - RUSKIN





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RUSH TRUCK CENTRES** CALA Sample No. : WC0553770 Recieved : 22 Jan 2024 750 DALTON AVE Lab Number KINGSTON, ON : 02610135 Diagnosed : 22 Jan 2024 ISO 17025:2017 Accredited Laboratory Diagnostician : Wes Davis CA K7M 8N8 Unique Number : 5711221 Test Package : MOB 1 (Additional Tests: Glycol) Contact: Service Manager To discuss this sample report, contact Customer Service at 1-800-268-2131. bmoccio@rushtruckcentres.ca T: 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: