

WEAR	
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

# **E-ONE LADDER 15**

#### Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 32 (--- 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.

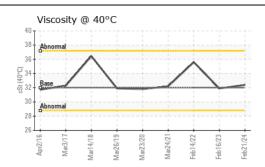
### FLUID CONDITION

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

Sample DateClient Info21 Feb 202416 Feb 202314 Feb 2022Machine AgehrsClient Info00260Oil AgehrsClient Info00260Filter AgehrsClient Info000Oil ChangedClient InfoNot ChangdN/AN/AFilter ChangedClient InfoNot ChangdN/AN/AFilter ChangedClient InfoNot ChangdN/AN/ASample StatusVClient InfoNot ChangdN/AN/AIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100SilverppmASTM D5185m>10<100AluminumppmASTM D5185m>10<100LeadppmASTM D5185m>10<100VanadiumppmASTM D5185m>10<100VanadiumppmASTM D5185m>1000<1VanadiumppmASTM D5185m>1000<1VanadiumppmASTM D5185m>1000<1VanadiumppmASTM D5185m>20233VanadiumppmASTM D5185m>20233VanadiumppmASTM D5185m>202 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample DateClient Info21 Feb 202216 Feb 202214 Feb 2022Machine AgehrsClient Info00260Oil AgehrsClient Info00260Filter AgehrsClient Info000Oil ChangedClient InfoNot ChangeN/AN/AFilter ChangedClient InfoNot ChangeN/AN/ASample StatusClient InfoNot ChangeN/AN/ASample StatusStatusSample StatusNORMALNORMALIronppmASTM D5185>200<1<1ChromiumppmASTM D5185>10<100NickelppmASTM D5185>10<100SilverppmASTM D5185>10<100LeadppmASTM D5185>10<100VanadiumppmASTM D5185>1000<1VanadiumppmASTM D5185>10000VanadiumppmASTM D5185>10000VanadiumppmASTM D5185>10000VanadiumppmASTM D5185>20<100VanadiumppmASTM D5185>20<100VanadiumppmASTM D5185>20<100VanadiumppmASTM D5185>20<100 </th <th>Test</th> <th>UOM</th> <th>Method</th> <th>Limit/Abn</th> <th>Current</th> <th>History1</th> <th>History2</th>	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgeIrisClient Info00260Oil AgehrisClient Info00260Filter AgehrisClient InfoNot ChangdN/AN/AOil ChangedClient InfoNot ChangdN/AN/AFilter ChangedQClient InfoNot ChangdN/AN/ASample StatusClient InfoNot ChangdN/AN/AIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100SilverppmASTM D5185m>10<100AluminumppmASTM D5185m>10<100LeadppmASTM D5185m>10<100<1VanadiumppmASTM D5185m>1000<10VanadiumppmASTM D5185m>20QNONENONENONEYellow Metalscalar'VisualNONENONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<100WatervisualNONENONENONENONENONESiliconppmASTM D5185m>20<10NONESiliconppmASTM D5185m>20<1NONE <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>WC0890550</th><th>WC0777603</th><th>WC0658113</th></t<>	Sample Number		Client Info		WC0890550	WC0777603	WC0658113
Oil Age Filter AgehrsClient Info00260Filter AgehrsClient InfoNot ChangdN/AN/AFilter ChangedClient InfoNot ChangdN/AN/ASample StatusClient InfoNot ChangdN/AN/AIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100NickelppmASTM D5185m510<100SilverppmASTM D5185m>10<100LeadppmASTM D5185m>10<100CopperppmASTM D5185m>100<10VanduiumppmASTM D5185m>1000<1VanduiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20233PotassiumppmASTM D5185m>20400Siltscalar"Visua	Sample Date		Client Info		21 Feb 2024	16 Feb 2023	14 Feb 2022
Filter Age Oli ChangedrsClient Info000Oil ChangedClient InfoNot ChangdN/AN/AFilter ChangedClient InfoNot ChangdN/AN/ASample StatusNormalNORMALNORMALNORMALIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100NickelppmASTM D5185m>10<100SilverppmASTM D5185m>10<100AluminumppmASTM D5185m>10<100CopperppmASTM D5185m>1000<1VanadiumppmASTM D5185m>10000White Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<100Silitscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20<100VaterwC Method>0.1NEGNONENONESiliconppmASTM D5185m>20<10NONESoliconppmASTM D5185m>20<10NONESoliconppmASTM D	Machine Age	hrs	Client Info		0	0	260
Cli Changed Filter ChangedClient InfoNot Changd N/AN/AN/AFilter Changed Sample StatusClient InfoNot Changd NORMALN/AN/AIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100NickelppmASTM D5185m>10<100SilverppmASTM D5185m>10<100AluminumppmASTM D5185m>10<100LeadppmASTM D5185m>1000<1VanadiumppmASTM D5185m>1000<1VanadiumppmASTM D5185m>20233Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20233Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20233SoliconppmASTM D5185m>20233PotassiumppmASTM D5185m>2040NONESoliconppmASTM D5185m>201NORENORESoliconppmASTM D5185m>20 <td< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th>0</th><th>260</th></td<>	Oil Age	hrs	Client Info		0	0	260
Filter ChangedClient InfoNat ChangedN/AN/ASample StatusClient InfoNot ChangedNORMALNORMALIronppmASTM D5185m>200<1<1ChromiumppmASTM D5185m>10<100NickelppmASTM D5185m>10<100NickelppmASTM D5185m>10<100SilverppmASTM D5185m510<100AluminumppmASTM D5185m>10<100LeadppmASTM D5185m>10<100CopperppmASTM D5185m>1000<1VanadiumppmASTM D5185m>10000White Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20<100Vellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20<100WaterVisualNONENONENONENONENONESilitscalar*VisualNORENONENONENONESodurppmASTM D5185m>20<1NORENONESilitscalar*VisualNORENONENONENONESodurppmASTM D5185m5000A	Filter Age	hrs	Client Info		0	0	0
Sample StatusNORMALNORMALNORMALNORMALIronppmASTM 05185m>200<1<1ChromiumppmASTM 05185m>10<100NickelppmASTM 05185m>10<100TitaniumppmASTM 05185m>10<100SilverppmASTM 05185m510<100AluminumppmASTM 05185m>10<100LeadppmASTM 05185m>10<100CopperppmASTM 05185m>10<100VanadumppmASTM 05185m>1000<1VanadumppmASTM 05185m>10000White Metalscalar*VisualNONENONENONENONESiliconppmASTM 05185m>20<100VaterVisualNONENONENONENONENONESiliconppmASTM 05185m>20<100WaterVisualNONENONENONENONENONESiliconppmASTM 05185m>20<100Bard/Dirtscalar*VisualNONENONENONENONESolitscalar*VisualNONENONENONENONEAstm 05185m500000Gardiar*Visua	Oil Changed		Client Info		Not Changd	N/A	N/A
Iron         ppm         ASTM D5185m         >20         0         <1	Filter Changed		Client Info		Not Changd	N/A	N/A
Chromium         ppm         ASTM D5185m         >10         <1	Sample Status				NORMAL	NORMAL	NORMAL
Chromium         ppm         ASTM D5185m         >10         <1					•		
NickelppmASTM D5185m>10<1	-				-		
Titanium         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         10         <1         0         0           Aluminum         ppm         ASTM D5185m         >10         <1         0         0           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >75         4         4         4           Tin         ppm         ASTM D5185m         >10         0         0         <1           Vanadium         ppm         ASTM D5185m         >10         0         0         0         0           Vanadium         ppm         ASTM D5185m         >20         RONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE           Silicon         ppm         ASTM D5185m         >20         <1         0         0           Water         wC Method         >0.1         NEG         NORE         NONE         NONE      Sand/Dirt         scalar         *Vi						-	
Silver         ppm         ASTM D5185m         0         0         0           Aluminum         ppm         ASTM D5185m         >10         <1         0         0           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >75         4         4         4           Tin         ppm         ASTM D5185m         >10         0         0         <1           Vanadium         ppm         ASTM D5185m         >10         0         0         0         0           Vanadium         ppm         ASTM D5185m         >10         0         0         0         0           Vanadium         ppm         ASTM D5185m         >20         2         3         3           Vanadium         ppm         ASTM D5185m         >20         <1         0         0           Water         WC Method         >0.1         NEG         NEG         NEG           Silit         scalar         *Visual         NONE         NONE         NONE         NONE           Appearance         scalar         *Visual         NORM         NORML         NOR				>10		-	-
Aluminum         ppm         ASTM D5185m         >10         <1							
Lead         ppm         ASTM D5185m         >10         <1				10	-	-	-
Copper         ppm         ASTM D5185m         >75         4         4         4           Tin         ppm         ASTM D5185m         >10         0         0         <1           Vanadium         ppm         ASTM D5185m         >10         0         0         0         0           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE           Silicon         ppm         ASTM D5185m         >20         2         3         3           Potassium         ppm         ASTM D5185m         >20         <1         0         0           Water         WC Method         >0.1         NEG         NEG         NEG           Silt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NORML         NORML           Appearance         scalar         *Visual         NORML         NORML         NORML         NORML           Odor         scala							
TinppmASTM D5185m>1000<1							÷
VanadiumppmASTM D5185mCOOOWhite Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<100WaterWC Method>0.1NEGNEGNEGSilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORNORMLNORMLNORMLMolybdenumppmASTM D5185m5000ManganeseppmASTM D5185m250755CalciumppmASTM D5185m2008791191PhosphorusppmASTM D5185m370422371405SulfurppmASTM D5185m370602694					-		
White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<100WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m5000BariumppmASTM D5185m5000MaganeseppmASTM D5185m25755CalciumppmASTM D5185m200879191PhosphorusppmASTM D5185m300308309341ZincppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694		ppm		>10	-		
Yellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<100WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m5000BariumppmASTM D5185m5000ManganeseppmASTM D5185m25755CalciumppmASTM D5185m200879191PhosphorusppmASTM D5185m300308309341ZincppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694		ppm	ASTM D5185m		0		-
SiliconppmASTM D5185m>20233PotassiumppmASTM D5185m>20<1	White Metal	scalar	*Visual	NONE		NONE	NONE
Potassium         ppm         ASTM D5185m         >20         <1	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m5000BariumppmASTM D5185m5000MalganeseppmASTM D5185m50<	Silicon	ppm	ASTM D5185m	>20	2	3	3
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m5000BariumppmASTM D5185m5000MalganeseppmASTM D5185m501MagnesiumppmASTM D5185m2507755CalciumppmASTM D5185m300308309341ZincppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694	Deterritori			00		0	0
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Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m5000BoronppmASTM D5185m5000BariumppmASTM D5185m5000MolybdenumppmASTM D5185m50<1<1ManganeseppmASTM D5185m25755CalciumppmASTM D5185m200879191PhosphorusppmASTM D5185m300308309341ZincppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694		ppm					-
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m5000BariumppmASTM D5185m5000BariumppmASTM D5185m5000MolybdenumppmASTM D5185m50<1ManganeseppmASTM D5185m250755CalciumppmASTM D5185m200879191PhosphorusppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694	Water		WC Method	>0.1	NEG	NEG	NEG
Odor         scalar         *Visual         NORML         NEG         NEG <th< th=""><th>Water Silt</th><th>scalar</th><th>WC Method *Visual</th><th>&gt;0.1 NONE</th><th>NEG NONE</th><th>NEG NONE</th><th>NEG NONE</th></th<>	Water Silt	scalar	WC Method *Visual	>0.1 NONE	NEG NONE	NEG NONE	NEG NONE
Emulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m545BoronppmASTM D5185m5000BariumppmASTM D5185m5000MolybdenumppmASTM D5185m50<1<1ManganeseppmASTM D5185m25755CalciumppmASTM D5185m200879191PhosphorusppmASTM D5185m300308309341ZincppmASTM D5185m370422371405SulfurppmASTM D5185m25000602694	Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.1 NONE NONE	NEG NONE NONE	NEG NONE NONE	NEG NONE NONE
Sodium         ppm         ASTM D5185m         5         4         5           Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         0           Molybdenum         ppm         ASTM D5185m         5         0         <1         <1           Manganese         ppm         ASTM D5185m         25         7         5         5           Calcium         ppm         ASTM D5185m         200         87         91         91           Phosphorus         ppm         ASTM D5185m         300         308         309         341           Zinc         ppm         ASTM D5185m         370         422         371         405           Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE	NEG NONE NONE
Boron         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         0           Barium         ppm         ASTM D5185m         5         0         0         0           Molybdenum         ppm         ASTM D5185m         5         0         <1         <1           Manganese         ppm         ASTM D5185m         25         7         5         5           Calcium         ppm         ASTM D5185m         200         87         91         91           Phosphorus         ppm         ASTM D5185m         300         308         309         341           Zinc         ppm         ASTM D5185m         370         422         371         405           Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE NORML	NEG NONE NONE NORML	NEG NONE NONE NORE
Barium         ppm         ASTM D5185m         5         0         0         0           Molybdenum         ppm         ASTM D5185m         5         0         <1	Water Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORE NORML	NEG NONE NONE NORML NORML	NEG NONE NONE NORML NORML
Barium         ppm         ASTM D5185m         5         0         0         0           Molybdenum         ppm         ASTM D5185m         5         0         <1	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG
Manganese         ppm         ASTM D5185m         <1	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG 5	NEG NONE NONE NORML NORML NEG 4	NEG NONE NONE NORML NORML NEG
Manganese         ppm         ASTM D5185m         <1	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG 5 0	NEG NONE NONE NORML NORML NEG 4	NEG NONE NONE NORML NORML NEG 5 0
Magnesium         ppm         ASTM D5185m         25         7         5         5           Calcium         ppm         ASTM D5185m         200         87         91         91           Phosphorus         ppm         ASTM D5185m         300         308         309         341           Zinc         ppm         ASTM D5185m         370         422         371         405           Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> </ul>	NEG NONE NONE NORML NORML NEG 5 0	NEG NONE NONE NORML NORML NEG 4 0 0	NEG NONE NONE NORML NORML NEG 5 0 0
Calcium         ppm         ASTM D5185m         200         87         91         91           Phosphorus         ppm         ASTM D5185m         300         308         309         341           Zinc         ppm         ASTM D5185m         370         422         371         405           Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> </ul>	NEG NONE NONE NORML NORML NEG 5 0 0 0	NEG NONE NONE NORML NORML NEG 4 0 0 2	NEG NONE NONE NORML NORML NEG 5 0 0 2
Phosphorus         ppm         ASTM D5185m         300 <b>308</b> 309         341           Zinc         ppm         ASTM D5185m         370 <b>422</b> 371         405           Sulfur         ppm         ASTM D5185m         2500 <b>0</b> 602         694	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1 5 5 5 5	NEG NONE NONE NORML NORML NEG 5 0 0 0 0 2	NEG NONE NONE NORML NORML NEG 4 0 0 2 4	NEG NONE NONE NORML NORML NEG 5 0 0 0
Zinc         ppm         ASTM D5185m         370         422         371         405           Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> <li>5</li> <li>25</li> </ul>	NEG NONE NONE NORML NORML S 0 0 0 0 2 1 7	NEG           NONE           NONE           NORML           NORML           NEG           4           0           0           <1           5	NEG           NONE           NONE           NONE           NORML           NORML           NORML           NORML           0           2           0           0           <1           0           5           0           5           0           5           0           5
Sulfur         ppm         ASTM D5185m         2500         0         602         694	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> <li>5</li> <li>25</li> <li>200</li> </ul>	NEG NONE NONE NORML NORML S 0 0 0 0 2 1 7 87	NEG NONE NONE NORML NORML NEG 4 0 0 4 0 0 <1 <1 5 91	NEG           NONE           NONE           NORML           NORML           NORML           NEG           5           0
	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> <li>5</li> <li>200</li> <li>300</li> </ul>	NEG NONE NONE NORML NORML S 0 0 0 0 2 1 7 87 308	NEG           NONE           NONE           NORML           NORML           NORML           NORML           O           4           0           2           4           0           2           4           0           2           4           0           2           4           0           2           4           0           1           5           91           309	NEG           NONE           NONE           NONE           NORML           NORML           NORML           NORML           S           0           5           0           5           0           5           0           5           91           341
	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>5</li> <li>5</li> <li>5</li> <li>25</li> <li>200</li> <li>300</li> <li>370</li> </ul>	NEG NONE NONE NORML NORML 5 0 0 0 0 0 1 7 87 87 308 422	NEG NONE NONE NORML NORML NEG 4 0 0 2 4 0 0 2 1 5 91 309 371	NEG           NONE           NONE           NONE           NORML           NORML           NORML           O           5           0           0           <1           0           5           91           341           405

Report Id: KENKENMO [WUSCAR] 06104692 (Generated: 03/04/2024 18:30:30) Rev: 1

Submitted By: RANDY PRICE



Ferrous Alloys 10 bpm 0 eb16/23 eb14/22 eb21/24 Aar74/7 Mar26/1 1ar22/21 **Nar3**/1 Apr2/1 Mar14/1 Non-ferrous Metals 10 • lead ppm <sup>-eb</sup>16/23 Mar24/21 Feb 14/22 eb21/24 Mar3/1 Mar26/1 Mar23/2 /larl Viscosity @ 40°C 39 38 37 36 35 34 cSt (40°C) Ba 32 3 30 29 Ab 28 Feb14/22. Feb16/23 -Feb21/24 -Apr2/16 Mar3/17 Mar14/18 Mar26/19 Mar23/20 Mar24/21

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0890550 **Received** : 29 Feb 2024 : 06104692 **Tested** : 01 Mar 2024 : 10902922 **Diagnosed** : 04 Mar 2024 - Don Baldridge : FLEET

KENNETT FIRE DEPARTMENT 200 CEDAR KENNETT, MO US 63857 Contact: DAVID HORTON



\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (573)888-5337 F:

Laboratory Sample No.

Lab Number : 06104692

Unique Number : 10902922