

OKLAHOMA/102/EG - CRANE 22.67L [OKLAHOMA^102^EG - CRANE] Component Pump Drive

MOBIL MOBILUBE HD PLUS 75W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data.

WEAR

All component wear rates are normal.

CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

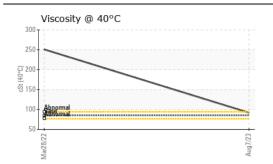
FLUID CONDITION

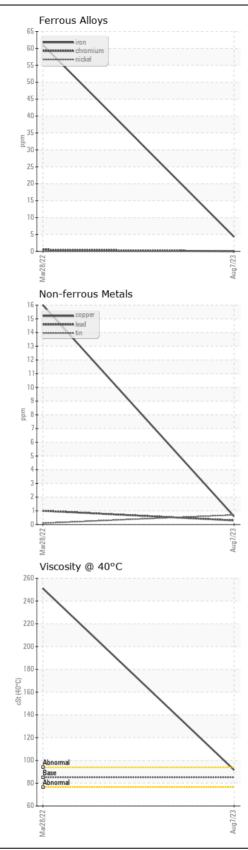
The condition of the oil is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0833987	WC0678893	
Sample Date		Client Info		07 Aug 2023	28 Mar 2022	
Machine Age	hrs	Client Info		5015	5597	
Oil Age	hrs	Client Info		500	500	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ATTENTION	
Iron			. 500	4	61	
Chromium	ppm	ASTM D5185m	>500	-	61	
	ppm	ASTM D5185m	>15	0	<1	
Nickel Titanium	ppm	ASTM D5185m ASTM D5185m	>10	0	0	
	ppm			-		
Silver Aluminum	ppm	ASTM D5185m	. 20	0 <1	<1	
	ppm	ASTM D5185m	>20		<1	
Lead	ppm	ASTM D5185m ASTM D5185m	>35	<1	1	
Copper	ppm			<1	16	
Tin Vanadium	ppm	ASTM D5185m	>4	<1 0	<1 0	
White Metal	ppm scalar	ASTM D5185m *Visual	NONE	NONE	NONE	
		*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	visuai	NONE			
Silicon	ppm	ASTM D5185m	>75	3	6	
Silicon Potassium						
	ppm	ASTM D5185m	>75	3	6	 
Potassium	ppm	ASTM D5185m ASTM D5185m	>75 >20	3 <1	6 2	  
Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>75 >20 >0.2	3 <1 NEG	6 2 NEG	
Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>75 >20 >0.2 NONE	3 <1 NEG NONE	6 2 NEG NONE	
Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >0.2 NONE NONE	3 <1 NEG NONE MODER	6 2 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >0.2 NONE NONE NONE	3 <1 NEG NONE MODER NONE	6 2 NEG NONE NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>75 >20 >0.2 NONE NONE NONE NORML	3 <1 NEG NONE MODER NONE NORML	6 2 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE MODER NONE NORML NORML NEG	6 2 NEG NONE NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE MODER NORE NORML NORML NEG 0	6 2 NEG NONE NONE NORML NORML NEG 2	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE MODER NORML NORML NEG 0 8	6 2 NEG NONE NONE NORML NORML NEG 2 88	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NORE NORML NORML NEG 0 8 2	6 2 NEG NONE NONE NORML NORML NEG 2 88	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE MODER NORML NORML NEG 0 8 2 2 <1	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NONE NORML NORML NEG 0 8 2 <1 0	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 1 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NONE NORML NORML NEG 0 8 2 <1 0 25	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 1 <1 <1 5	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE MODER NORML NORML NEG 0 8 2 <1 0 25 214	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 1 4 5 5 76	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NONE NORML NORML NEG 0 8 2 <1 0 25 214 926	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 2 88 0 1 <1 5 5 76 940	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NONE NORML NORML NEG 0 8 2 <1 0 8 2 <1 0 25 214 926 91	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 1 2 88 0 1 1 5 5 76 940 37	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NONE NORML NORML	3 <1 NEG NONE NONE NORML NORML NEG 0 8 2 <1 0 25 214 926	6 2 NEG NONE NONE NORML NORML NEG 2 88 0 2 88 0 1 <1 5 5 76 940	

Report Id: SHEWIC [WUSCAR] 05923716 (Generated: 04/26/2024 14:43:30) Rev: 1

Submitted By: BOBBY JONES





Received

Diagnosed

Tested

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC : 14 Aug 2023 3219 WEST MAY ST : 15 Aug 2023 WICHITA, KS : 15 Aug 2023 - Don Baldridge US 67213 Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Certificate L2367

Laboratory

Sample No.

Lab Number : 05923716

Unique Number : 10603663

Test Package : CONST

: WC0833987

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

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