

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.

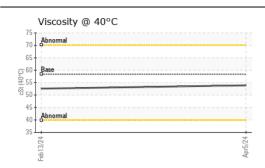
FLUID CONDITION

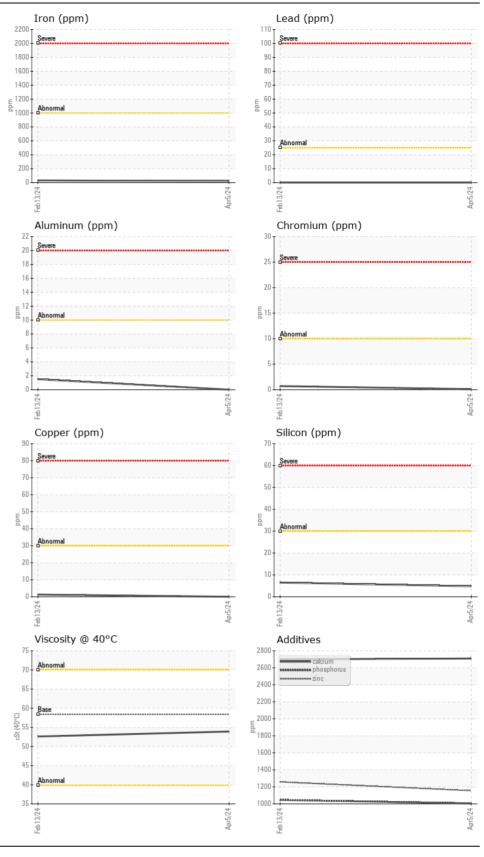
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0010372	DJJ0023539	
Sample Date		Client Info		05 Apr 2024	13 Feb 2024	
Machine Age	hrs	Client Info		3559	2946	
Oil Age	hrs	Client Info		500	0	
Filter Age	hrs	Client Info		500	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
lron			. 1000	20	01	
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>1000 >10	20	31	
	ppm			<1	<1	
Nickel Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m ASTM D5185m			<1	
	ppm	ASTM D5185m	>10	0	0	
Aluminum	ppm					
Lead	ppm	ASTM D5185m ASTM D5185m	>25	0	0	
Copper	ppm		>30		-	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium White Metal	ppm	ASTM D5185m	NONE	-	NONE	
	scalar	*Visual		NONE		
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>30	5	6	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>30 >20	5 0	6 1	
				-	-	
Potassium		ASTM D5185m	>20	0	1	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	0 NEG	1 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	0 NEG NONE	1 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	0 NEG NONE NONE	1 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	0 NEG NONE NONE	1 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE NORML	0 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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	0 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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	0 NEG NONE NONE NORML NORML NEG	1 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 13	1 NEG NONE NONE NORML NORML NEG 0 21	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	0 NEG NONE NONE NORML NORML NEG <1 13 0	1 NEG NONE NONE NORML NORML NEG 0 21 10	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	0 NEG NONE NONE NORML NORML NEG <1 13 0 4	1 NEG NONE NONE NORML NORML NEG 0 21 10 6	
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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NORME NORML >0.2	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 10	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1 27	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1 10 6 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 10 20 3200	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1 27 2709	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1 10 6 1 27 2700	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 10 20 3200 1100	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1 27 2709 1005	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1 27 2700 1046	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 10 20 3200 1100 1400	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1 27 2709 1005 1155	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1 27 2700 1046 1258	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 10 20 3200 1100	0 NEG NONE NONE NORML NORML NEG <1 13 0 4 <1 27 2709 1005	1 NEG NONE NONE NORML NORML NEG 0 21 10 6 1 27 2700 1046	

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Contact/Location: ROBERT BARKER - TEXHOUWC





TEXAS PORT RECYCLING - HOUSTON PORT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 8945 MANCHESTER ST : DJJ0010372 : 11 Apr 2024 Lab Number : 06146189 Tested HOUSTON, TX : 12 Apr 2024 Diagnosed Unique Number : 10976267 : 12 Apr 2024 - Wes Davis US 77012 Test Package : MOBCE Contact: ROBERT BARKER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. robert.barker@texasportrecycling.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (713)921-5545

Contact/Location: ROBERT BARKER - TEXHOUWC Page 2 of 2