

OIL ANALYSIS REPORT



Machine Id

DR-101 Component Hydraulic System AW HYDRAULIC OIL ISO 10 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

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.

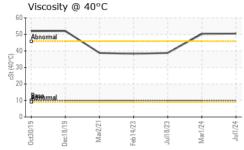
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909535	WC0909390	WC0705224
Sample Date		Client Info		01 Jul 2024	01 Mar 2024	18 Jul 2023
Machine Age	hrs	Client Info		2409	2214	1965
Oil Age	hrs	Client Info		0	0	1965
Oil Changed		Client Info		N/A	0 N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
		method	limit/base	current	-	history2
Water	4	WC Method		NEG	history1 NEG	NEG
			-	-	-	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	5	3
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		8	7	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	0	<1	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	3	0
Molybdenum	ppm	ASTM D5185m	5	0	2	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	1	15	0
Calcium	ppm	ASTM D5185m	200	74	107	483
Phosphorus	ppm	ASTM D5185m	300	123	153	338
Zinc	ppm	ASTM D5185m	370	59	91	497
Sulfur	ppm				31	497
	ppm	ASTM D5185m	2500	1156	1456	1331
CONTAMINANTS	ppm	ASTM D5185m method	2500 limit/base	1156 current		
CONTAMINANTS Silicon	ppm		limit/base		1456	1331
Silicon		method	limit/base	current	1456 history1	1331 history2
	ppm	method ASTM D5185m	limit/base >20	current 20	1456 history1 18	1331 history2 4
Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >20	current 20 13	1456 history1 18 9	1331 history2 4 2
Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm scalar	method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	limit/base >20 >20 limit/base NONE	current 20 13 8 current NONE	1456 history1 18 9 6 history1 NONE	1331 history2 4 2 <1 history2 NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	limit/base >20 >20 limit/base	current 20 13 8 current NONE NONE	1456 history1 18 9 6 history1 NONE NONE	1331 history2 4 2 <1 history2 NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE	Current 20 13 8 Current NONE NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE	1331 history2 4 2 <1 history2 NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE	current 20 13 8 current NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE NONE NONE	1331 history2 4 2 <1 history2 NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE	Current 20 13 8 Current NONE NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE	1331 history2 4 2 <1 history2 NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE	Current 20 13 8 Current NONE NONE NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE NONE NONE	1331 history2 4 2 <1 history2 NONE NONE NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE	Current 20 13 8 Current NONE NONE NONE NONE NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE NONE NONE NONE	1331 history2 4 2 <1 history2 NONE NONE NONE NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE	Current 20 13 8 Current NONE NONE NONE NONE NONE NONE NONE	1456 history1 18 9 6 history1 NONE NONE NONE NONE NONE NONE NONE	1331 history2 4 2 <1 NONE NONE NONE NONE NONE NONE NONE NON
Silicon Sodium Potassium	ppm ppm ppm scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	Current 20 13 8 Current NONE NONE NONE NONE NONE NONE NONE NON	1456 history1 18 9 6 history1 NONE NONE NONE NONE NONE NONE NONE NON	1331 history2 4 2 <1 NONE NONE NONE NONE NONE NONE NONE NON

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Contact/Location: EDDIE SECO - ECPROA



OIL ANALYSIS REPORT



FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	10	50.5	50.2	38.8
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
10 9 iron						
8 - nickel						
6-	~					
5	\sim	1				
3		\checkmark				
2						
	0	4 3	4			
Dec18/19 -	Feb14/23	Jul18/23 Mar1/24	Jul1/24			
Non-ferrous Meta						
10 9 copper						
8 - second lead						
6-						
5-						
3						
2		\backslash				
51 33 30	C.	24	4			
0ct30/19 Dec18/19 Mar2/21	Feb14/23	Jul18/23 Mar1/24	Jul1/24			
Viscosity @ 40°C						
55			-			
45 Abnormal		/				
40		-				
3 35 - £ 30 - 8 25 -						
20						
15 - Race .						
10 - Hilling mal						
0ct30/19 Dec18/19 Mar2/21	Feb14/23	Jul18/23 Mar1/24	Jul1/24			
0 0 -	æ					
WearCheck USA - 50 WC0909535	Receiv	/ed : 15	5 Jul 2024		1811	E. C. PACE CO I HOLLINS RE
06236672 11125506	Testec Diagno		5 Jul 2024 Jul 2024 - Don	Baldridge		ROANOKE, V US 2401
FLEET	Diagin			- 2001090	Contact	EDDIE SEC

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.

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

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Certificate L2367