

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FERRARA ENGINE 9

Component Hydraulic System AW HYDRAULIC OIL ISO 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

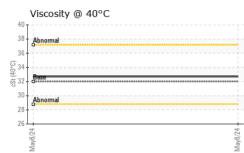
Fluid Condition

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

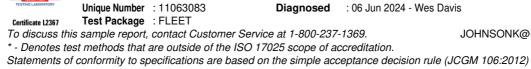
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0938761		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	4		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	4		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	1		
Molybdenum	ppm	ASTM D5185m	5	' <1		
Manganese	ppm	ASTM D5185m	5	0		
Magnesium	ppm	ASTM D5185m	25	19		
Calcium	ppm	ASTM D5185m	200	89		
Phosphorus		ASTM D5185m	300	435		
Zinc	ppm	ASTM D5185m	370	435		
-	ppm					
Sulfur	ppm	ASTM D5185m	2500	927		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
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OIL ANALYSIS REPORT



	FLUID PROPERTIE	S metho	od limit/base	current	history1	history2
	Visc @ 40°C	St ASTM D	445 32	32.7		
	SAMPLE IMAGES	metho	od limit/base	current	history1	history2
5	Color			no image	no image	no image
May8/24	Bottom			no image	no image	no image
	GRAPHS					
	Ferrous Alloys					
	9 - inn hormium 7 - inn 10 - inckel 7 - inn hormium nickel 10 - inckel 10 -		May0.24 May0.24			
			Mayi			
	Viscosity @ 40°C					
	38 Abnormal 36					
	(2) 34 (7) 00 (7) 00 (7					
	30 - Abnormal 28		May8/24			
o. er ber	: WearCheck USA - 501 I : WC0938761 : 06200960 : 11063083 : ELEET	Madison Ave., (Received Tested Diagnosed	Cary, NC 27513 : 05 Jun 2024 : 06 Jun 2024 : 06 Jun 2024 - \	Nes Davis	BOS	TY FIRE DEP 5850 SHED R SIER CITY, L US 7111 t: K JOHNSO



Contact: K JOHNSON JOHNSONK@FIRESERVERRO.COM T: F:

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Report Id: BOSBOSLA [WUSCAR] 06200960 (Generated: 06/07/2024 22:03:22) Rev: 1
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Contact/Location: K JOHNSON - BOSBOSLA