

OIL ANALYSIS REPORT

ULTRA FG **INGERSOLL RAND CK7459U06214 - GILSTER MARY LEE** Component

Compressor

Recommendation

Resample at the next service interval to monitor.

Wear

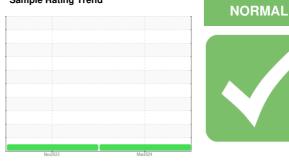
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Sample Rating Trend

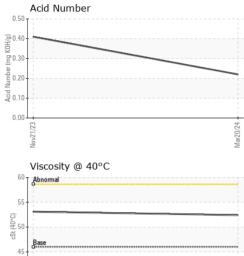


SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH0000525	UCH06021633	
Sample Date		Client Info		20 Mar 2024	21 Nov 2023	
Machine Age	hrs	Client Info		35383	32728	
Oil Age	hrs	Client Info		2455	5523	
Oil Changed		Client Info		Oil Added	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	4	27	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	3	
Calcium	ppm	ASTM D5185m		56	34	
Phosphorus	ppm	ASTM D5185m		299	268	
Zinc	ppm	ASTM D5185m		0	5	
Sulfur	ppm	ASTM D5185m		636	398	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	
Sodium	ppm	ASTM D5185m		13	25	
Potassium	ppm	ASTM D5185m	>20	0	6	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.22	0.41	



Abnorma 40 Nov21/23

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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	52.4	53.1	
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Ferrous Alloys						
¹⁰						
o and the second						
E 6						
2						
1/23			0/24			
Nov2			Mar2			
Non-ferrous Meta	als					
30 Copper 1						
20						
10-						
0	*******					
21/23			20/24			
Navi			Marí			
, -				Acid Number		
60 Abnormal			€0.50			
55			HO 0.40			
9			٤ 0.30			
성 45- Base			ĝ 0.20			
Abnormal			2 0.10			
40			0.00	/23		
Vav21.			Mar20	Vov21		
	01 Madiso			JOHN		ER COMPAN
: WearCheck USA - 50 : UCH0000525 : 06132119 : 10951584 : IND 2	Recei Teste Diagn	d : 29	8 Mar 2024 9 Mar 2024 Apr 2024 - Jonath			NT LOUIS, M US 6313
: UCH0000525 : : 06132119	Teste Diagn	d : 29 losed : 02	Mar 2024 Apr 2024 - Jonath		SAII	NT LOUIS, M US 6313
	Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPER Visc @ 40°C SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Terrous Metal Color Non-ferrous Metal Color Non-ferrous Metal Color	Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Color scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar Color cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys	Yellow Metal scalar *Visual Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom Image: Scalar sca	Yellow Metal scalar 'Visual NONE Precipitate scalar 'Visual NONE Silt scalar 'Visual NONE Debris scalar 'Visual NONE Sand/Dirt scalar 'Visual NONE Appearance scalar 'Visual NORML Odor scalar 'Visual NORML Odor scalar 'Visual NORML Emulsified Water scalar 'Visual >0.1 Free Water scalar 'Visual >0.1 Free Water scalar 'Visual >0.1 Feree Water scalar 'Visual >0.1 SAMPLE IMAGES method limit/base Color Imit/base Imit/base GrapHS Ferrous Alloys Imit/base Imit base Imit/base Imit/base Viscosity @ 40°C Imit/base Imit/base Imit base Imit/base Imit/base Imit/base Imit base Imit/base Imitbase Imit/base	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 Odor scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Color cscalar *Visual NO 52.4 SAMPLE IMAGES method imit/base current Color Bottom imit/base current Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Mid Aid Number Ogg Ogg Aid Number Ogg	

Submitted By: RACHEL VON HATTEN