

OIL ANALYSIS REPORT

Area IR ULTRA COOLANT Machine Id INGERSOLL RAND CBV899397 - AMEREN

Component Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

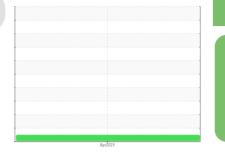
All component wear rates are normal.

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

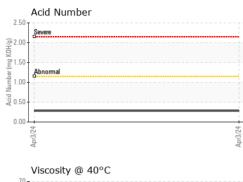


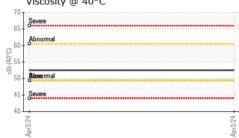
NORMAL

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06154512		
Sample Date		Client Info		03 Apr 2024		
Machine Age	hrs	Client Info		2092		
Oil Age	hrs	Client Info		2092		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	500	787		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	0	2		
Calcium	ppm	ASTM D5185m	0	6		
Phosphorus	ppm	ASTM D5185m	20	1		
Zinc	ppm	ASTM D5185m	0	<1		
Sulfur	ppm	ASTM D5185m	200	320		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m		17		
Potassium	ppm	ASTM D5185m	>20	9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.28		



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White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Image Precipitate scalar *Visual NONE NONE NONE Image Silt scalar *Visual NONE NONE NONE Image Debris scalar *Visual NONE NONE NONE Image
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE I Debris scalar *Visual NONE LIGHT I Sand/Dirt scalar *Visual NONE NONE I Appearance scalar *Visual NORML NORML I Odor scalar *Visual NORML NORML I Emulsified Water scalar *Visual NORML NORML I Free Water scalar *Visual >0.1 NEG I Visc @ 40°C cSt ASTM D45 49.4 52.5 SAMPLE IMAGES method Imit/base current history1 Color Color I Imit/base current history1 Bottom I I Imit/base no image I Imit/base no image I GRAPHS Image Image
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Color Image Bottom Image GRAPHS Image
Bottom no image no image GRAPHS
GRAPHS
Non-ferrous Metals
Viscosity @ 40°C Acid Number
Severe Severe 65 Abnormal Abnormal 60 45 Severe 45 Severe 45 Severe 45 Severe 45 Severe 45 Severe 40 FZEPGY

To discuss this sample report, con

* - 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

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