

OIL ANALYSIS REPORT

Area **P100** Machine to **INGERSOLL RAND 0411190274 - RAYNER & RINN-SCOTT** Component Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

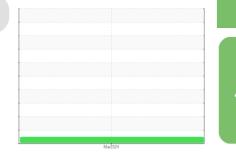
All component wear rates are normal.

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 acceptable for the time in service.



Sample Rating Trend

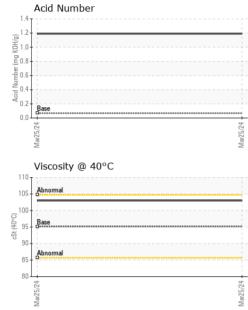


NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UDI06144395		
Sample Date		Client Info		25 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
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	32		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	5		
Copper	ppm	ASTM D5185m	>50	8		
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	0.7	0		
Barium	ppm	ASTM D5185m	0.1	0		
Molybdenum	ppm	ASTM D5185m	0.8	<1		
Manganese	ppm	ASTM D5185m	0.3	<1		
Magnesium	ppm	ASTM D5185m	1	<1		
Calcium	ppm	ASTM D5185m	5.2	4		
Phosphorus	ppm	ASTM D5185m	48	49		
Zinc	ppm	ASTM D5185m	2	0		
Sulfur	ppm	ASTM D5185m	3509	430		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.068	1.19		



OIL ANALYSIS REPORT



	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	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Mar25/24	Appearance	scalar	*Visual	NORML	NORML		
Mar	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	95.15	103		
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Mar25,24 +	Color					no image	no image
	Bottom					no image	no image
	Non-ferrous Metal			Mar25/24			
	Viscosity @ 40°C			Mar25/24	Acid Number		
	(2-00) Base 95 Base 90 Abnormal 85 PUSS 80 FUSS 80 FUS			void N	1.5 0.0 +72/52/2P		

Report Id: UCDELDOW [WUSCAR] 06144395 (Generated: 04/12/2024 19:29:33) Rev: 1

Contact/Location: MICHAEL FERRIS - UCDELDOW