

OIL ANALYSIS REPORT

Area **S-460 [9368]** Machine Id KAESER FOUNTAIN ROOM - RAVINIA FESTIVAL ASSOC (S/N NOT GIVEN) Component Compressor

Recommendation

Oil and filter change at the time of sampling has been noted. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UDI06199361		
Sample Date		Client Info		03 May 2024		
Machine Age	hrs	Client Info		13080		
Oil Age	hrs	Client Info		2232		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	10		
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		0		
Barium	ppm	ASTM D5185m	90	<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	34		
Calcium	ppm	ASTM D5185m	2	<1		
Phosphorus	ppm	ASTM D5185m		8		
Zinc	ppm	ASTM D5185m		37		
Sulfur	ppm	ASTM D5185m		20488		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		13		
Potassium	ppm	ASTM D5185m	>20	5		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.35		

Sample Rating Trend

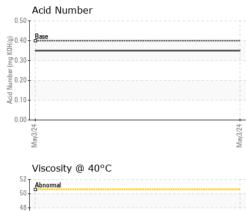


(J-046 44 Base

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Abnormal 40 38 May3/24

OIL ANALYSIS REPORT



			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	MODER			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
May3/24	Appearance	scalar	*Visual	NORML	NORML			
Ma	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.05	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT	IES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445	46	44.5			
	SAMPLE IMAGES	6	method	limit/base	current	history1	history2	
	Color				a.	no image	no image	
	Bottom					no image	no image	
	udd 2 0 +700 key			May3/24				
	Non-ferrous Metals	S		May3/24				
	≥ Viscosity @ 40°C			M				
	55 T			-05	Acid Number			
	50 Abnormal			(B)HO 0.4 (B)HO 0.4	Base	*****		
	Go ge 45 45 45 Abnormal			Ĕ 0.3	D			
	Abnormal			-e 0.2	0-			
	40			N pg 0.1				
	35 4			0.0 × 55			24	
	May3/24			May3/24	May3/24		May3/24	
Laboratory Sample No. Lab Number	: UDI06199361	Madison Ave., Cary, NC 27513 DELTA II Received : 04 Jun 2024 Tested : 05 Jun 2024 Diagnosed : 06 Jun 2024 - Sean Felton <i>ce at 1-800-237-1369.</i> 2025 scope of accreditation.				NDUSTRIES - DOWNERS GROVE 2201 CURTISS STREET DOWNERS GROVE, IL US 60515 Contact: MICHAEL FERRIS T:		

Contact/Location: MICHAEL FERRIS - UCDELDOW