

OIL ANALYSIS REPORT

Area ACS-32 [418146] SULLAIR 201809060016 - SOUTHEASTERN PLASTICS Component Compressor

Recommendation

We advise that you check for a possible overheat condition. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is at the top-end of the recommended limit.

	Apr2024							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		UCH06148791				
Sample Date		Client Info		05 Apr 2024				
Machine Age	hrs	Client Info		37784				
Oil Age	hrs	Client Info		6260				
Oil Changed		Client Info		Changed				
Sample Status				ATTENTION				
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	0				
Chromium	ppm	ASTM D5185m	>10	0				
Nickel	ppm	ASTM D5185m		0				
Titanium	ppm	ASTM D5185m		0				
Silver	ppm	ASTM D5185m		0				
Aluminum	ppm	ASTM D5185m	>25	0				
Lead	ppm	ASTM D5185m	>25	0				
Copper	ppm	ASTM D5185m	>50	2				
Tin	ppm	ASTM D5185m	>15	<1				
Vanadium	ppm	ASTM D5185m		<1				
Cadmium	ppm	ASTM D5185m		0				
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	1	0				
Barium	ppm	ASTM D5185m	730	23				
Molybdenum	ppm	ASTM D5185m	0	0				
Manganese	ppm	ASTM D5185m	0.0	0				
Magnesium	ppm	ASTM D5185m	0	0				
Calcium	ppm	ASTM D5185m	0	<1				
Phosphorus	ppm	ASTM D5185m	0	3				
Zinc	ppm	ASTM D5185m	0	0				
Sulfur	ppm	ASTM D5185m	590	686				
CONTAMINANTS	6	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<1				
Sodium	ppm	ASTM D5185m		20				
Potassium	ppm	ASTM D5185m	>20	3				
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	e 2.72				

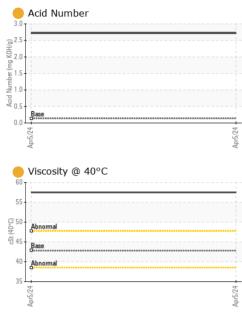


Sample Rating Trend





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	VISUAL		method	limit/bas	e 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		
Apr5/24	Appearance	scalar	*Visual	NORML	NORML		
4	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
1	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/bas	e current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	42.8	6 57.5		
	SAMPLE IMAGES	6	method	limit/bas	e current	history1	history2
Apt5/24 +	Color					no image	no image
	Bottom					no image	no image
	Non-ferrous Metals	5		Apr5/24			
	Viscosity @ 40°C			Apr5/24	Acid Number		
	(J-05) Abnormal Base 40 Abnormal 35 40 40 40 40 40 40 40 40 40 40			Apr5/24	8.0.0 Base 0.0.0 Base Constant		
Laboratory Sample No. Lab Number Unique Number Test Package	: 10978869	1 Madiso Rece Teste Diagr	ived : 15 d : 16 nosed : 18	Apr 2024 Apr 2024	-	C	SOR SYSTEM HINGTON AN ARLSTADT, I US 070 ct: ELVIN DIA

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Contact/Location: ELVIN DIAZ - UCAIRCAR