

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

9006718 (S/N 1456)

Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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

There is a moderate amount of particulates present in the oil.

Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012326		
Sample Date		Client Info		02 May 2024		
Machine Age	hrs	Client Info		3245		
Oil Age	hrs	Client Info		1700		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
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	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	4		
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	0		
Barium	ppm	ASTM D5185m	90	12		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	100	25		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	6		
Zinc	ppm	ASTM D5185m	0	9		
Sulfur	ppm	ASTM D5185m	23500	21779		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		9		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.05	0.010		
ppm Water	ppm	ASTM D6304	>500	105		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4417		
Particles >6µm		ASTM D7647	>1300	1063		
Particles >14µm		ASTM D7647	>80	88		
Particles >21µm		ASTM D7647	>20	<mark> </mark> 24		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	9/17/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36		



Built for a lifetime."

OIL ANALYSIS REPORT

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

44.5

Particle Count

Acid Number

122,880 30.720

7,680

480

120

30

(B/H0) MOX 0.96

Ê 0.72

-e 0.48 Acid Nu 0.24

0.00

Mav2/24

per 1 1,920 no image

no image

no image

no image

22

0SI

0 4406:1999 Cle

14 👼

May2/24

	VISUAL		method	limit/b
-4μm 6μm	White Metal	scalar	*Visual	NONE
**************************************	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	NORM
	Odor	scalar	*Visual	NORM
Vater (KF)	Emulsified Water	scalar	*Visual	>0.05
	Free Water	scalar	*Visual	
Severe	FLUID PROPER	TIES	method	limit/b
	Visc @ 40°C	cSt	ASTM D445	45
	SAMPLE IMAGE	S	method	limit/b
Abnormal				
	67/7/2000			
Acid Number				
Blazermal	Bottom			
	GRAPHS			
	Ferrous Alloys			
	¹⁰ T			
	8 - iron chromium			
	e 6+ mickel			
	2			
Vater (KF)				
	May2/24			May2/24- number of particles (per 1 ml)
Severe	May			May es (per
	Non-ferrous Meta	ls		particle
	10 copper			er of
	anananan lead			numt
Abnormal				
	2 -			
				5
	May2/2 ⁴			May2/2
/iscosity @ 40°C				2
Severe	Viscosity @ 40°C			
Abnormal	55 - Severe			
Abnormal	S 50 - Abnormal			
Base	(0,50 + 0 (0,50 + 0 (1,50 + 0 (1,50 + 0) (1,50 + 0			
Abnormal	40 Abnormal			
Severe	35			
	May2/24			May2/24
	×			-

GM NAMEPLATE INC - BOYD CORPORATION 2095 O`TOOLE AVE SAN JOSE, CA 2024 - Don Baldridge US 95131 Contact: VIEN PHAM VIEN.PHAM@BOYDCORP.COM Т: F:

21µ

38

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: GMNSAN [WUSCAR] 06174648 (Generated: 05/13/2024 14:08:25) Rev: 1

Contact/Location: VIEN PHAM - GMNSAN