

No relevant graphs to display

this sample.

RECOMMENDATION	PROBLEMATIC TEST RESULTS			
The filter change at the time of sampling has been	Sample Status	ABNORMAL	ABNORMAL	NORMAL

Debris

scalar *Visual NONE **A MODER** NONE

Customer Id: KAEFRE Sample No.: KCP48326 Lab Number: 05638600 Test Package: IND 2



To manage this report scan the QR code

noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com NONE

RECOMMENDED AC	CTIONS		
Action	Status	Date	Done By
Alert			?

Description

We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS



29 Sep 2021 Diag: Don Baldridge

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

14 Oct 2019 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.









OIL ANALYSIS REPORT

Built for a lifetime

KAESER CSD 100 4891621 - MAHLE (S/N 1155)

Compressor

KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

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.



SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number				KCP48326	KCP39093	KC70777
Sample Date				15 Aug 2022	29 Sep 2021	14 Oct 2019
Machine Age	hrs			56987	50207	35620
Oil Age	hrs			0	0	4535
Oil Changed				Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
····				-		
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	11	<1	4
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
		method	limit/base	ourrent	history 1	history 2
ADDITIVES		methou	IIIII/Dase	Current	Thistory I	Thistory 2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	<1	2	2
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		9	2	2
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		14135	2149	13864
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	nnm	ASTM D5185m	>25	-1	~1	-1
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.05	0.004	0.014	0.006
ppm Water	mag	ASTM D6304	>500	46.3	141.1	68.4
FLUID CLEANLIN	ESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647			107278	988
Particles >6µm		ASTM D7647	>1300		<u> </u>	308
Particles >14µm		ASTM D7647	>80		68	40
Particles >21µm		ASTM D7647	>20		4	13
Particles >38µm		ASTM D7647	>4		0	0
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u> </u>	15/12
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2

Acid Number (AN) m

mg KOH/g ASTM D8045 0.4

0.37 0.207 0.195 Contact/Location: Warranty Department - KAEFRE



Built for a lifetime.

OIL ANALYSIS REPORT

VICLA



			ourront	inotory i	
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NONE	A MODER	NONE	NONE
scalar	*Visual	NONE	NONE	NONE	NONE
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	NORML	NORML	NORML	NORML
scalar	*Visual	>0.05	NEG	NEG	NEG
scalar	*Visual		NEG	NEG	NEG
IES	method	limit/base	current	history 1	history 2
<u>.</u>		10			
cSt	ASTM D445	46	44.75	45.4	44.4
cSt	ASTM D445 method	46 limit/base	44.75 current	45.4 history 1	44.4 history 2
cSt	ASTM D445 method	46 limit/base	44.75 current	45.4 history 1	44.4 history 2
	scalar scalar scalar scalar scalar scalar scalar scalar scalar	scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual scalar *Visual	scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NONE scalar *Visual NORML scalar *Visual NORML scalar *Visual >0.05 scalar *Visual ES method limit/base	scalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNONEMODERscalar*VisualNONEMODERscalar*VisualNONENONEscalar*VisualNONENONEscalar*VisualNORMLNORMLscalar*VisualNORMLNORMLscalar*VisualNORMLNEGscalar*VisualImit/basecurrent	scalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNONEMODERNONEscalar*VisualNONENONENONEscalar*VisualNONENONENONEscalar*VisualNORMLNORMLNORMLscalar*VisualNORMLNORMLNORMLscalar*Visual>0.05NEGNEGscalar*VisualImit/basecurrenthistory 1



Contact/Location: Warranty Department - KAEFRE