ASCENDUM

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

KOMATSU B16262 Component Hydraulic System

SHELL Rotella T5 15W-40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. 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 suitable for further service.

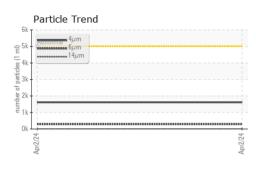
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ASC0000923		
Sample Date		Client Info		02 Apr 2024		
Machine Age	hrs	Client Info		627		
Oil Age	hrs	Client Info		627		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	1		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		486		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		43		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		16		
Calcium	ppm	ASTM D5185m		3321		
Phosphorus	ppm	ASTM D5185m		972		
Zinc	ppm	ASTM D5185m		1157		
Sulfur	ppm	ASTM D5185m		3700		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	15		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1612		
Particles >6µm		ASTM D7647	>1300	288		
Particles >14µm		ASTM D7647	>160	11		
Particles >21µm		ASTM D7647	>40	4		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.06		

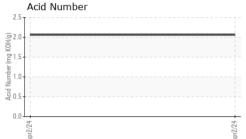
Report Id: MUGCON [WUSCAR] 06139844 (Generated: 04/22/2024 17:28:52) Rev: 1

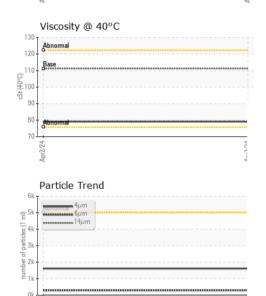
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OIL ANALYSIS REPORT







nr2/71

NONE White Metal *Visual NONE scalar Yellow Metal *Visual NONE NONE scalar Precipitate NONE scalar *Visual NONE Silt scalar *Visual NONE NONE Debris *Visual NONE NONE scalar Sand/Dirt NONE NONE scalar *Visual NORML NORML Appearance scalar *Visual Odor *Visual NORML NORML scalar *Visual **Emulsified Water** scalar >0.1 NEG Free Water scalar *Visual NEG FLUID PROPERTIES 79.1 Visc @ 40°C cSt ASTM D445 111.2 SAMPLE IMAGES Color no image no image Bottom no image no imade GRAPHS Ferrous Alloys Particle Count 491,52 122,88 mac 30.72 7 68 Apr2/24 Anr7/74 4406 per 1 1.92 :1999 Cle cles Non-ferrous Metals 480 120 14 31 214 Viscosity @ 40°C Acid Number 130 (B/H0) 2.0 Abn 120 () 0 9 100 Ē 1.5 -ぞ 90 ਸ਼ੂ 1.0 Acid Nu 0.0 80 70 .or2/24 **MUGO GRAVEL & GRADING INC** : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ASC0000923 Received : 05 Apr 2024 P.O. BOX 1961 Lab Number : 06139844 Tested CONCORD, NC : 08 Apr 2024 Unique Number : 10964652 Diagnosed : 08 Apr 2024 - Don Baldridge US 28026 Contact: Service Manager

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

* - 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)

Certificate 12367

Laboratory

Sample No.

Test Package : MOBCE

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