

Machine Id RASA 60 IN MTBM 60 IN RASA MTBM Component 1 Gear Motor Fluid

{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

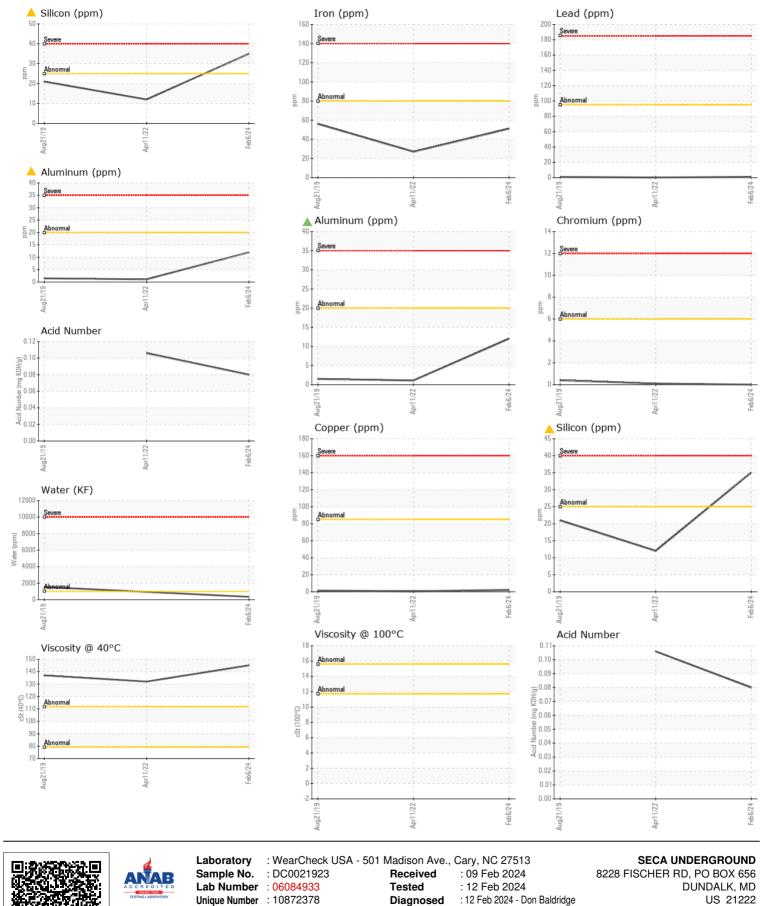
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Free water present.

FLUID CONDITION

The AN level is acceptable for this fluid.

	Test	UOM	Method	Limit/Abn	Current	History1	History2
m. e that ample ype,	Sample Number		Client Info		DC0021923	DC0018397	DC0000651
	Sample Date		Client Info		06 Feb 2024	11 Apr 2022	21 Aug 2019
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	Changed
	Filter Changed		Client Info		N/A	N/A	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
	Iron	ppm	ASTM D5185m	>80	51	27	56
	Chromium	ppm	ASTM D5185m	>6	0	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	<1
	Titanium	ppm	ASTM D5185m	>2	1	<1	<1
	Silver		ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	u ▲ 12	1	2
	Lead	ppm					<1
		ppm	ASTM D5185m	>95	<1	0	<1
	Copper	ppm	ASTM D5185m	>85	2	<1	
	Tin	ppm	ASTM D5185m	>9	0	0	0
	Vanadium	ppm	ASTM D5185m	NOUT	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	A MODER	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Silicon	ppm	ASTM D5185m	>25	4 35	12	21
-	Potassium	ppm	ASTM D5185m	>20	4	1	0
	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water	%	ASTM D6304	>0.1	0.035		▲ 0.154
	ppm Water	ppm	ASTM D6304	>1000	350		🔺 1540
	Glycol		WC Method		NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	VLITE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	A HAZY	NORML	▲ HAZY
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	0.2%
	Sodium	nom	ASTM D5185m		1	0	1
	Boron	ppm	ASTM D5185m		0	1	2
	Barium		ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		0	<1	3
	Manganese	ppm					
	U	ppm	ASTM D5185m		1	<1 7	<1
	Magnesium	ppm	ASTM D5185m		0		3
	Calcium	ppm	ASTM D5185m		46	64	122
	Phosphorus	ppm	ASTM D5185m		37	145	131
	Zinc	ppm	ASTM D5185m		34	53	54
	Sulfur	ppm	ASTM D5185m		12263	12265	10986
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.08	0.106	
	Visc @ 40°C	cSt	ASTM D445		145	132	137



Test Package : MOB 2 (Additional Tests: KF, KV40) Contact: SEAN-PAUL WARNICK Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. seanpaul.warnick@seca-tunnel.com * - 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)

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