

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



MACK PINNACLE 64T ZT2213 (S/N 1M1PN4GY4KM001196)

Component 3 Axle

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		DC0032540		
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		12 Jan 2024		
	Machine Age	mls	Client Info		196066		
	Oil Age	mls	Client Info		98000		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>870	92		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>3	<1		
	Nickel	ppm	ASTM D5185m	>20	0		
	Titanium	ppm	ASTM D5185m	>4	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>9	1		
	Lead	ppm	ASTM D5185m	>25	0		
	Copper	ppm	ASTM D5185m	>60	1		
	Tin	ppm	ASTM D5185m	>5	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>285	11		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		233		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		4		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		28		
	Phosphorus	ppm	ASTM D5185m		1648		
	Zinc	ppm	ASTM D5185m		14		
	Sulfur	ppm	ASTM D5185m		22062		
	Acid Number (AN)	mg KOH/g	ASTM D8045		3.17		
	Visc @ 40°C	cSt	ASTM D445		125		







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package : MOB 2

: DC0032540 : 06062142 : 10833524

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 16 Jan 2024 Diagnosed : 18 Jan 2024 : Don Baldridge Diagnostician

COMER CONSTRUCTION

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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)