WEAR CONTAMINATION FLUID CONDITION

ABNORMAL ABNORMAL NORMAL

[70412] Machine Id CRN032

Front Left Final Drive

	GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: New purchase PM-4 changed fluid)	Sample Number		Client Info		PCA0109355		
	Sample Date		Client Info		11 Apr 2024		
	Machine Age	hrs	Client Info		3980		
	Oil Age	hrs	Client Info		3980		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>500	280		
The copper level is abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	1		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	<u> </u>		
	Lead	ppm	ASTM D5185m	>25	4		
	Copper	ppm	ASTM D5185m	>50	<u> </u>		
	Tin	ppm	ASTM D5185m	>10	2		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	▲ 85		
	Potassium	ppm	ASTM D5185m		2		
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina- silicate (coarse dirt) ingress.	Water	PPIII	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		3		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	2	137		
	Barium	ppm	ASTM D5185m		4		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		4		
	Magnesium	ppm	ASTM D5185m		4		
	Calcium	ppm	ASTM D5185m		72		
	Phosphorus	ppm	ASTM D5185m		930		
	Zinc	ppm	ASTM D5185m		52		
	Sulfur	ppm	ASTM D5185m		24708		
	Visc @ 40°C	cSt	ASTM D445		143		





Report Id: KEMPRY [WUSCAR] 06156360 (Generated: 04/24/2024 15:13:04) Rev: 1

Certificate L2367

Laboratory Sample No.

: PCA0109355 Lab Number : 06156360 Unique Number: 10991783 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 22 Apr 2024 **Tested** : 23 Apr 2024 Diagnosed : 24 Apr 2024 - Sean Felton

Kemp Quarries - Pryor Stone - Pryor 1050 E 520 Rd

Pryor, OK US 74361 Contact:

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

pryor@pryorstone.com T: F:

* - 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)