WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

OIL ANALYSIS REPORT

WESTERN STAR 004

Component Transmission

DECOMMENDATION							
RECOMMENDATION No corrective action is recommended at this time. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR05967169		
	Sample Date		Client Info		28 Sep 2023		
	Machine Age	mls	Client Info		610383		
	Oil Age	mls	Client Info		57365		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client into		N/A NORMAL		
	Sample Status				INUNIVIAL		
WEAR	Iron	ppm	ASTM D5185m	>200	37		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>50	6		
	Lead	ppm	ASTM D5185m	>50	1		
	Copper	ppm	ASTM D5185m	>200	4		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	nnm	ASTM D5185m	>50	13		
There is no indication of any contamination in the fluid.	Potassium	ppm	ASTM D5185m		1		
	Water	ррпп	WC Method	>0.1	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	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.	Boron	ppm	ASTM D5185m		52		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		8		
	Calcium	ppm	ASTM D5185m		2687		
	Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m		1084 1089		
	Sulfur	ppm	ASTM D5185m		6085		
		ppili	ASTIVI DSTOSIII		0000		
		ma K∩H/a	ACTM DRUVE		1 // 0		
	Acid Number (AN)	mg KOH/g	ASTM D8045	233	1.40 197		
	Acid Number (AN) Visc @ 40°C	cSt	ASTM D445		197		
	Acid Number (AN)	cSt cSt					





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR05967169

Lab Number : 05967169

Unique Number: 10673720

Diagnosed : 03 Oct 2023 - Doug Bogart Test Package : MOB 2 (Additional Tests: FT-IR, KV100, TBN, VI) To discuss this sample report, contact Customer Service at 1-800-827-0711.

Received

Tested

: 02 Oct 2023

: 03 Oct 2023

* - 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)

DALE ALLEN TRUCKING

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T: F: