

WEAR CONTAMINATION FLUID CONDITION

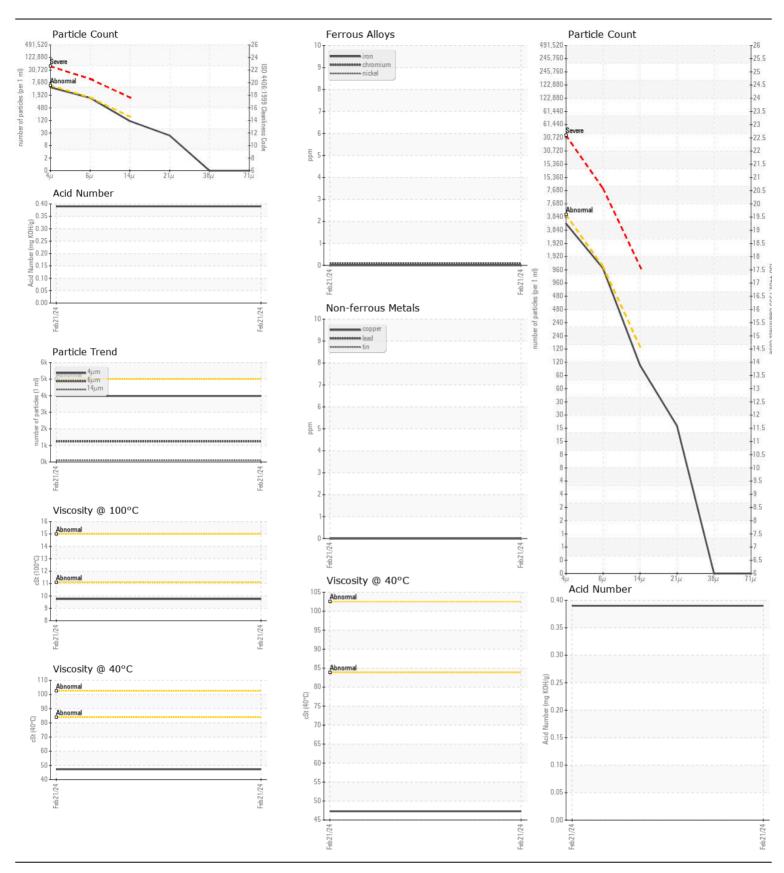
NORMAL NORMAL

Machine Id

24B2001 HL-0206

New (Unused) Oil

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		HPL0000885		
This is a baseline read-out on the submitted sample.	Sample Date		Client Info		21 Feb 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m		0		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		<1		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		0		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
	Potassium	ppm	ASTM D5185m	>20	0		
	Water	ррпп	WC Method	720	NEG		
	Particles >4µm		ASTM D7647	>5000	3984		
	Particles >6µm		ASTM D7647		1238		
	Particles >14µm		ASTM D7647		98		
	Particles >21µm		ASTM D7647		20		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/17/14		
	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		*Visual		NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		<1		
	Calcium	ppm	ASTM D5185m		66		
	Phosphorus		ASTM D5185m		355		
	Zinc	ppm	ASTM D5185m		442		
	Sulfur	ppm	ASTM D5185m		1061		
	Acid Number (AN)	ppm mg KOH/g					
			ASTM DA45		0.39		
	Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		47.29 9.75		
	visc @ 100°C	COL	49 LIVI D449		ษ./อ		





Certificate L2367

Unique Number: 10901640

Laboratory Sample No. : HPL0000885 Lab Number : 06103410

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

: 28 Feb 2024 **Tested** : 04 Mar 2024 : 04 Mar 2024 - Jonathan Hester Diagnosed Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

500 S SPRUCE ST MANTENO, IL US 60950 Contact: DAVID WARD

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)

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