**OIL ANALYSIS REPORT** 

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

Machine Id

## DELROYD TUBE HILL (S/N 01D66597-10) Swing Drive

SHELL SPIRAX HD 80W90 (1 GAL)

SHELL SPIRAX HD 80W90 (1 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06196014		
	Sample Date		Client Info		09 May 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		Not Changd		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>400	16		
	Chromium	ppm	ASTM D5185m	>10	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	0		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>200	4		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTANUNATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		6		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		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		
<u></u>	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		234	14		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	0	0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		4		
	Calcium	ppm	ASTM D5185m		64		
	Phosphorus	ppm	ASTM D5185m		737		
	Zinc	ppm	ASTM D5185m		41		
	Sulfur	ppm	ASTM D5185m	16893	22353		
	Acid Number (AN)	mg KOH/g	ASTM D8045	100	1.83		
	Visc @ 40°C	cSt	ASTM D445		139		
	Visc @ 100°C	cSt	ASTM D445		14.0		
	Viscosity Index (VI)	Scale	ASTM D2270	110	97		





Laboratory Sample No.

Lab Number : 06196014

: TR06196014

Received **Tested** Unique Number : 11058137 Diagnosed

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 May 2024 : 02 Jun 2024

: 02 Jun 2024 - Don Baldridge

MT SPOKANE SKI AAND SNOWBOARD PARK 29500 N MT SPOKANE PARK DRIVE MEAD, WA

US 99021 Contact: RON GROGAN

Test Package : MOB 2 (Additional Tests: KV100, VI) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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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