



OIL REPORT

LAB NUMBER: D77990
 REPORT DATE: 6/11/2009
 CODE: 44/284

UNIT ID: 04 S2K-DIFF
 CLIENT ID: 17858
 PAYMENT: Prepaid

UNIT	EQUIP. MAKE/MODEL: Differential Honda	OIL TYPE & GRADE: LE Duolec 1605 SAE110 GL5
	FUEL TYPE:	OIL USE INTERVAL: 6,000 Miles
	ADDITIONAL INFO:	

CLIENT	JACK THOMA	PHONE: (281) 259-4248
	18950 N NUECES TRL	FAX:
	MAGNOLIA, TX 77355	ALT PHONE: (281) 259-4248
		EMAIL: JackThoma@sbcglobal.net

COMMENTS JACK: This differential oil sample checked-in as normal in all tests. With metals, silicon, and insolubles at these levels, you could have gone longer on this oil. The viscosity was in spec for this oil type and grade, and no moisture was present. 0.2% insolubles shows the oil wasn't excessively oxidized or contaminated with grit or metals. Insolubles are solids in the oil, usually oxidized oil from heat and use, but they are also often from metals, grit, or miscellaneous debris. If there are any problems with this differential, they don't show up in the used oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,000	UNIT / LOCATION AVERAGES	11,415	8,000					UNIVERSAL AVERAGES
	MI/HR on Unit	46,442		26,250	14,835					
	Sample Date	05/29/09		03/23/06	01/26/05					
	Make Up Oil Added	0 qts		0 qts	0 qts					
ALUMINUM	0	1	2	1						2
CHROMIUM	1	1	1	2						2
IRON	79	146	172	188						157
COPPER	0	0	0	1						1
LEAD	0	0	0	0						1
TIN	0	0	0	0						0
MOLYBDENUM	0	0	0	0						1
NICKEL	9	15	17	20						17
MANGANESE	1	2	4	0						5
SILVER	0	0	0	0						0
TITANIUM	1	0	0	0						0
POTASSIUM	1	3	1	6						2
BORON	44	29	12	32						165
SILICON	10	29	41	36						27
SODIUM	2	2	2	1						2
CALCIUM	9	10	6	14						28
MAGNESIUM	5	9	13	8						118
PHOSPHORUS	1190	1421	1591	1481						1514
ZINC	11	12	14	11						29
BARIUM	1	1	0	2						3

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	97.2	85-105	93.4	89.4				
	cSt Viscosity @ 100°C	19.69	16.8-21.8	18.79	17.83				
	Flashpoint in °F	425	>425	425	425				
	Fuel %	-		<0.5	-				
	Antifreeze %	-		0.0	-				
	Water %	0.0	<0.1	0.0	0.0				
	Insolubles %	0.2	<0.6	0.3	0.5				
	TBN								
	TAN								
	ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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