



OIL REPORT

LAB NUMBER: D92604 UNIT ID: 06 F350
 REPORT DATE: 10/27/2009 CLIENT ID: 25789
 CODE: 20/12 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Navistar 6.0L Power Stroke	OIL TYPE & GRADE: Diesel Engine Oil
	FUEL TYPE: Diesel	OIL USE INTERVAL: 6,000 Miles
	ADDITIONAL INFO:	

CLIENT	SCOT BAIRD	PHONE: (248) 921-1691
	C&J SERVICES INC	FAX:
	210 ISBELL	ALT PHONE:
	HOWELL, MI 48843-2029	EMAIL: scotbaird@comcast.net

COMMENTS SCOT: This oil was run the same number of miles as the previous and wear looked very similar to last time, which isn't surprising. Nothing in wear data points to any new problems developing inside this 6.0L. Since you've brought the oil change intervals down from the 10,000-11,000 miles we were seeing in the past, iron has dropped. This makes sense, since iron is the only metal to typically track with miles on the oil. The 1.0% fuel is likely from normal operation and isn't a concern at this level. The viscosity was 10W/30 and no water was found. Overall, a good report.

	MI/HR on Oil	6,000	UNIT / LOCATION AVERAGES	6,000	10,000	11,000	11,000	10,000	UNIVERSAL AVERAGES
	MI/HR on Unit	118,000		108,000	101,000	89,000	78,000	67,000	
	Sample Date	10/15/09		06/16/09	03/09/09	10/22/08	06/30/08	03/21/08	
	Make Up Oil Added	0 qts		0 qts	1 qt	1 qt	2 qts	0 qts	
ELEMENTS IN PARTS PER MILLION	ALUMINUM	3	3	3	4	4	4	4	3
	CHROMIUM	1	2	1	2	1	2	2	1
	IRON	32	40	31	42	49	51	53	21
	COPPER	2	3	2	3	2	3	3	3
	LEAD	3	5	4	6	3	5	4	3
	TIN	1	1	2	3	1	1	1	1
	MOLYBDENUM	28	18	16	60	7	24	13	34
	NICKEL	1	1	1	1	1	1	1	0
	MANGANESE	0	0	0	0	0	1	1	0
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	4	4	5	3	6	7	4	3
	BORON	26	15	26	40	15	15	6	46
	SILICON	13	10	17	33	4	4	4	13
	SODIUM	4	3	3	6	1	2	2	4
	CALCIUM	1671	2540	2051	956	2205	2631	3450	2894
	MAGNESIUM	538	162	239	1084	6	9	10	117
PHOSPHORUS	1064	1118	1032	1104	971	1106	1315	1116	
ZINC	1299	1300	1254	1249	1167	1299	1462	1292	
BARIUM	0	0	0	0	0	0	0	2	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	62.4		65.4	63.0	69.8	64.5	60.6
	cSt Viscosity @ 100°C	10.88		11.71	11.05	12.89	11.46	10.39
	Flashpoint in °F	405	>415	SHORT	385	385	SHORT	410
	Fuel %	1.0	<2.0	-	2.0	3.0	-	TR
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.4	0.3	0.2	0.3	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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