

Here's the post rinse phase UOA by Dyson Analysis. I'd say the difference is substantial. Looks like he still has fuel issues, but for 200k 🤔

2nd/1st

Miles on unit: 199k/195k
 Miles on oil: 3200+/-/4750
 Oil: PZ dino 5w-30
 Auto-Rx rinse phase
 Air filter: Purolator
 Oil filter SuperTech
 Makeup: 1 quart Warren 10w-30

Additives
 Calc: 1857/1730
 Magn: 11/12
 Zinc: 1005/862
 Phos: 912/798
 Bar: 0/5
 Moly: 27/21

Contaminants
 Silicon: 6/9
 Sodium: 35/215* (additive in Exxon dino)
 Boron: 137/83
 Pot: 6/44

Visc 40C: 57.5/62.1
 Visc 100C: 9.4/10.2
 TAN: 1.44/1.13
 FP: 295/285
 OXI: 15/59
 NIT: 7/9
 KF/20: 1025/702
 TBN: 4.5/2.5
 FUEL: 1.49/1.6
 SOOT: 0
 GLY: 0
 VNDX: 146/152
 Sulfate byproduct: 22.7/61

Elements
 Fe: 9/20
 Cu: 2/4
 Tin: 0/0
 Pb: 2/12
 Cr: 0/1
 Nkl: 0/1
 Alum: 2/3

1255001_Gary Allan Wytheville, VA_1993 Escort 1 9L_07121142.pdf - Adobe Reader

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Sample Information
 Site: Greenville, TX
 Area: Gary Allan Wytheville, VA
 Unit: Ford
 Equipment: Gasoline Engine
 Description: 1993 Escort 1 9L
 Sample Pt Key:
 Fluid In Use: Pennzoil 5w30
 Field Grade: SAE CRANKCASE 10w40
 Lat Fluid Change: 11/12/2007

Equipment Information
 Equipment Type: Gasoline Engine
 Cooled: Cooling Source
 Filtered: Filter Size
 Lat Filter Change: 11/12/2007
 Sump Capacity:
 Lubrication System:
 Lubed Components:
 Bearing Types:
 Gear Types:

Sample Evaluation
 Iron, Sulfated, Contaminants, Lab

Sample Information			Wear Metals								Additive Metals						Contaminant Metals						
No	Item No	Sample Date	Iron	Copper	Tin	Lead	Chrom	Nickel	Alum	Titan	Silica	Calc	Magne	Zinc	Phos	Barium	Molyb	Antis	Silica	Sodium	Boron	Potassium	Vanad
142	3187/109	12/12/2007	9	2	0	2	0	0	2	0	0	1857	11	1095	912	0	27	0	6	35	137	6	0
248	4759/195000	11/12/2007	38	4	0	12	1	1	3	0	0	1730	12	862	798	5	21	0	9	215	83	44	0
Watch Advisory			90	25	20	25	15	10	15	10	10							20	150	50	25	10	
Warning Advisory			100	80	50	40	30	20	30	20	20							75	150	100	50	20	
Reference																							

File Information		Physical and Other Tests											
No	Sample Date	V40C	V100C	TAN	FLASH	OXID	NIT	KF	TBN	FUEL	SOOT	GLYCOL	vndx
142	12/12/2007	57.5	9.4	1.44	295	15	7	1025	4.5	1.49	0	0	146
1246	11/12/2007	62.1	10.2	1.13	285	59	9	792	2.5	1.60	0	0	152
Reference		135 - 195	13 - 15.8	0.8	400	20	15	750	3	2	2		
Range		127.5 - 172.5	12.2 - 16.8	0.4	375	30	25	1900	0	0	0		

File Information		Other Tests	Sample No	Comments / Recommendations
No	Sample Date			
142	12/12/2007		07121142	Sulfated By-Products = 22.7
248	11/12/2007		07111246	Sulfate By Product = 81.

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